STIC-Biotech/ChemLib 152288

From: Swope, Sheridan
Sent: Monday, May 02, 2005 8:00 PM
To: STIC-Biotech/ChemLib
Subject: 09/992,095

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Hello!

For 09/992,095, pls interference search:

SID 54, residues 1-270, a regular search against the NT and AA data bases.
SID 54, residues 1-270, an oligo search against the NT and AA data bases.

Sheridan Swope, Ph.D.
Patent Examiner, AU 1652
Recombinant Enzymes
571-272-0943 (voice)
E02B71 Remsen Bld (Office)
E02C70 Remsen Bld (Mailbox)

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1: Port

STAFF USE ONLY

Searcher:_____
Searcher Phone: 2-
Date Searcher Picked up:____
Date Completed:_____
Searcher Prep/Rev. Time:___
Online Time:_____

Type of Search

NA#:_____ AA#:_____
Interference:____ SPDI:___
S/L:_____ Oligomer:_____
Encode/Transl:_____
Structure#:_____ Text:___
Inventor:____ Litigation:___

Vendors and cost where applicable
STN:_____
DIALOG:_____
QUESTEL/ORBIT:_____
LEXIS/NEXIS:_____
SEQUENCE SYSTEM:_____
WWW/Internet:_____
Other(Specify):_____

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 8, 2005, 18:01:03 ; Search time 574 Seconds
(without alignments)
2205.079 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 1113
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 5654200 seqs, 3057283753 residues

Total number of hits satisfying chosen parameters: 11308400

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
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-DB=Published_Applications_NA -QFMT=fastap -SUFFIX=p2n.rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=pct -THR_MAX=100
-THR_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09992095_@CGN_1_1_480_@runat_06052005_105933_24281
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-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published_Applications_NA:*
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12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
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22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1113	100.0	750	17	US-10-450-976-3	Sequence 3, Appli
2	1113	100.0	1047	17	US-10-450-976-5	Sequence 5, Appli
3	1113	100.0	1907	10	US-09-992-600A-53	Sequence 53, Appl
4	1113	100.0	1907	10	US-09-924-340-53	Sequence 53, Appl
5	1113	100.0	1907	10	US-09-992-095B-53	Sequence 53, Appl
6	1113	100.0	1907	10	US-09-999-570-53	Sequence 53, Appl
7	1113	100.0	1907	14	US-10-000-489-53	Sequence 53, Appl
8	1113	100.0	1907	14	US-10-000-986-53	Sequence 53, Appl
9	1113	100.0	1907	16	US-10-154-678-53	Sequence 53, Appl
10	1113	100.0	1907	16	US-10-001-142-53	Sequence 53, Appl
11	1113	100.0	1907	19	US-10-838-854-53	Sequence 53, Appl
12	1113	100.0	2433	17	US-10-450-976-1	Sequence 1, Appli
13	1113	100.0	2497	9	US-09-946-893-1	Sequence 1, Appli
14	1113	100.0	2732	14	US-10-193-656-1	Sequence 1, Appli
15	1113	100.0	2732	17	US-10-135-872B-1	Sequence 1, Appli
16	1113	100.0	2732	18	US-10-625-899-3	Sequence 3, Appli
17	1112	99.9	2497	18	US-10-753-646-12	Sequence 12, Appl
18	1098	98.7	3243	18	US-10-741-601-125	Sequence 125, App
19	933.5	83.9	10422	9	US-09-870-759-125	Sequence 125, App
20	933.5	83.9	10422	10	US-09-751-708A-125	Sequence 125, App
21	933.5	83.9	10422	18	US-10-428-817A-121	Sequence 121, App
22	933.5	83.9	13938	10	US-09-923-515-3	Sequence 3, Appli
23	933.5	83.9	13938	18	US-10-684-440-4	Sequence 4, Appli
24	933.5	83.9	13938	18	US-10-712-795-860	Sequence 860, App
25	933.5	83.9	13938	18	US-10-485-113-3	Sequence 3, Appli
26	933.5	83.9	13938	19	US-10-920-612-860	Sequence 860, App
27	922.5	82.9	3756	19	US-10-741-600-207	Sequence 207, App
28	922.5	82.9	13938	19	US-10-741-600-208	Sequence 208, App
29	598	53.7	468	9	US-09-960-352-10851	Sequence 10851, A
30	559	50.2	346	9	US-09-960-352-12743	Sequence 12743, A
31	493.5	44.3	394	9	US-09-960-352-11088	Sequence 11088, A
32	448	40.3	1125	10	US-09-814-353-19462	Sequence 19462, A
33	448	40.3	1365	9	US-09-888-615-44	Sequence 44, Appl
34	448	40.3	1394	9	US-09-804-156-6	Sequence 6, Appli
35	448	40.3	1394	9	US-09-946-633-4	Sequence 4, Appli
36	448	40.3	1394	13	US-10-125-459-4	Sequence 4, Appli
37	448	40.3	1394	13	US-10-067-761-6	Sequence 6, Appli
38	448	40.3	1394	16	US-10-319-519-6	Sequence 6, Appli
39	448	40.3	1697	9	US-09-925-301-175	Sequence 175, App
40	448	40.3	2123	17	US-10-264-049-951	Sequence 951, App
41	448	40.3	2135	10	US-09-825-751A-69	Sequence 69, Appl
42	448	40.3	2468	17	US-10-295-027-737	Sequence 737, App
43	448	40.3	2468	17	US-10-295-027-771	Sequence 771, App
44	448	40.3	2468	17	US-10-295-027-820	Sequence 820, App
45	448	40.3	2468	17	US-10-295-027-858	Sequence 858, App

ALIGNMENTS

RESULT 1
US-10-450-976-3
; Sequence 3, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
; APPLICANT: COLLEN, Desire Jose
; APPLICANT: NAGAI, Nubuo
; APPLICANT: LAROCHE, Yves
; TITLE OF INVENTION: A Yeast Expression Vector and a Method
; TITLE OF INVENTION: of Making a Recombinant Protein by Expression in a Yeast
; TITLE OF INVENTION: Cell
; FILE REFERENCE: 50304/005001
; CURRENT APPLICATION NUMBER: US/10/450,976
; CURRENT FILING DATE: 2003-06-18
; PRIOR APPLICATION NUMBER: PCT/BE01/00217
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: GB 0116702
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: GB 0116690
; PRIOR FILING DATE: 2001-07-09

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;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 750
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(750)
US-10-450-976-3

Alignment Scores:
Pred. No.:              6.74e-137       Length:         750
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     17              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-450-976-3 (1-750)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        127 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 186

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        187 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 246

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        247 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 306

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        307 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 366

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        367 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 426

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db        427 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 486

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        487 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 546

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        547 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 606

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        607 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 666

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db        667 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 726

Qy        201 GluGlyValMetArgAsnAsn 207
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Db        727 GAGGGAGTGATGAGAAATAAT 747

RESULT 2
US-10-450-976-5
; Sequence 5, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 1047
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(1047)
US-10-450-976-5

Alignment Scores:
Pred. No.:              1.08e-136       Length:         1047
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     17              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-450-976-5 (1-1047)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db        424 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 483

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        484 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 543

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db        544 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 603

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db        604 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 663

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db        664 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 723

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db        724 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 783

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db        784 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 843

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db        844 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 903

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        904 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 963
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        964 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1023

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1024 GAGGGAGTGATGAGAAATAAT 1044

RESULT 3
US-09-992-600A-53
; Sequence 53, Application US/09992600A
; Publication No. US20030027161A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US4.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,600A
;  CURRENT FILING DATE:  2001-11-13
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 114
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-992-600A-53

Alignment Scores:
Pred. No.:              2.5e-136        Length:         1907
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-992-600A-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 4
US-09-924-340-53
; Sequence 53, Application US/09924340
; Publication No. US20030027248A1
; GENERAL INFORMATION:
;  APPLICANT: Bejanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/924,340
;  CURRENT FILING DATE:  2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-924-340-53
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Alignment Scores:
Pred. No.:              2.5e-136        Length:         1907
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-924-340-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 5
US-09-992-095B-53
; Sequence 53, Application US/09992095B
; Publication No. US20030157485A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US5.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,095B
;  CURRENT FILING DATE:  2003-02-20
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-992-095B-53

Alignment Scores:
Pred. No.:              2.5e-136        Length:         1907
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-992-095B-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664
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RESULT 6
US-09-999-570-53
; Sequence 53, Application US/09999570
; Publication No. US20030170628A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: G-091US08DIV
; CURRENT APPLICATION NUMBER: US/09/999,570
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 53
; LENGTH: 1907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..1043
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1044..1664
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 1665..1907
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 1869..1874
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 1892..1907
US-09-999-570-53

Alignment Scores:

Pred. No.:	2.5e-136	Length:	1907
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-992-095B-54 (1-207) x US-09-999-570-53 (1-1907)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664
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RESULT 7
US-10-000-489-53
; Sequence 53, Application US/10000489
; Publication No. US20030092011A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 53
; LENGTH: 1907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..1043
; NAME/KEY: CDS
; LOCATION: 1044..1664
; NAME/KEY: 3'UTR
; LOCATION: 1665..1907
; NAME/KEY: polyA_signal
; LOCATION: 1869..1874

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;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-000-489-53

Alignment Scores:
Pred. No.:              2.5e-136        Length:         1907
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     14              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-000-489-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 8
US-10-000-986-53
; Sequence 53, Application US/10000986
; Publication No. US20030096247A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US9.DIV
;  CURRENT APPLICATION NUMBER: US/10/000,986
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-000-986-53

Alignment Scores:
Pred. No.:              2.5e-136        Length:         1907
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     14              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-000-986-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 9
US-10-154-678-53
; Sequence 53, Application US/10154678
; Publication No. US20030162186A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 182.US1.REG
;  CURRENT APPLICATION NUMBER: US/10/154,678
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-154-678-53

Alignment Scores:
Pred. No.:              2.5e-136      Length:          1907
Score:                  1113.00       Matches:         207
Percent Similarity:     100.00%       Conservative:    0
Best Local Similarity:  100.00%       Mismatches:      0
Query Match:            100.00%       Indels:          0
DB:                     16            Gaps:            0

US-09-992-095B-54 (1-207) x US-10-154-678-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 10
US-10-001-142-53
; Sequence 53, Application US/10001142
; Publication No. US20030198954A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US7.DIV
;  CURRENT APPLICATION NUMBER: US/10/001,142
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-001-142-53

Alignment Scores:
Pred. No.:              2.5e-136      Length:          1907
Score:                  1113.00       Matches:         207
Percent Similarity:     100.00%       Conservative:    0
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Best Local Similarity:  100.00%       Mismatches:    0
Query Match:            100.00%       Indels:        0
DB:                     16            Gaps:          0

US-09-992-095B-54 (1-207) x US-10-001-142-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 11
US-10-838-854-53
; Sequence 53, Application US/10838854
; Publication No. US20050026182A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US6.DIV
;  CURRENT APPLICATION NUMBER: US/10/838,854
;  CURRENT FILING DATE:  2004-05-03
;  PRIOR APPLICATION NUMBER: US/10/000,489
;  PRIOR FILING DATE: 2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-838-854-53

Alignment Scores:
Pred. No.:              2.5e-136      Length:        1907
Score:                  1113.00       Matches:       207
Percent Similarity:     100.00%       Conservative:  0
Best Local Similarity:  100.00%       Mismatches:    0
Query Match:            100.00%       Indels:        0
DB:                     19            Gaps:          0

US-09-992-095B-54 (1-207) x US-10-838-854-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 12
US-10-450-976-1
; Sequence 1, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 2433
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(2433)
US-10-450-976-1

Alignment Scores:
Pred. No.:              3.53e-136      Length:         2433
Score:                  1113.00        Matches:        207
Percent Similarity:     100.00%        Conservative:   0
Best Local Similarity:  100.00%        Mismatches:     0
Query Match:            100.00%        Indels:         0
DB:                     17             Gaps:           0

US-09-992-095B-54 (1-207) x US-10-450-976-1 (1-2433)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1810 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1869

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1870 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1929

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1930 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1989

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1990 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2049

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2050 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2109

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2110 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2169

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2170 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2229

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2230 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2289

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2290 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2349

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2350 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2409

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       2410 GAGGGAGTGATGAGAAATAAT 2430

RESULT 13
US-09-946-893-1
; Sequence 1, Application US/09946893
; Patent No. US20020072494A1
; GENERAL INFORMATION:
;  APPLICANT: Cao, Yihai
;  TITLE OF INVENTION: Materials and methods relating to endothelial cell growth
;  TITLE OF INVENTION:  inhibitors
;  FILE REFERENCE: Mewburn
;  CURRENT APPLICATION NUMBER: US/09/946,893
;  CURRENT FILING DATE:  2001-09-05
;  PRIOR APPLICATION NUMBER: US 60/230,893
;  PRIOR FILING DATE: 2000-09-05
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 2497
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (50)..(2482)
US-09-946-893-1

Alignment Scores:
Pred. No.:              3.66e-136      Length:         2497
Score:                  1113.00        Matches:        207
Percent Similarity:     100.00%        Conservative:   0
Best Local Similarity:  100.00%        Mismatches:     0
Query Match:            100.00%        Indels:         0
DB:                     9              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-946-893-1 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2158
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Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db       2159 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2218

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2459 GAGGGAGTGATGAGAAATAAT 2479
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RESULT 14
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; Sequence 1, Application US/10193656
; Publication No. US20030096733A1
; GENERAL INFORMATION:
; APPLICANT: NY, Tor
; APPLICANT: HOLMDAHL, Rikard
; APPLICANT: LI, Jinan
; TITLE OF INVENTION: NOVEL DRUG TARGETS FOR ARTHRITIS
; FILE REFERENCE: 3810/1J577-US3
; CURRENT APPLICATION NUMBER: US/10/193,656
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/304,461
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/304,490
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,182
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank / X05199
; DATABASE ENTRY DATE: 1995-03-21
; RELEVANT RESIDUES: (1)..(2732)
US-10-193-656-1

Alignment Scores:

Pred. No.:	4.15e-136	Length:	2732
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
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US-09-992-095B-54 (1-207) x US-10-193-656-1 (1-2732)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1924 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1983

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db       2164 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2223

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db       2284 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2343

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
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; Sequence 1, Application US/10135872B
; Publication No. US20040071659A1
; GENERAL INFORMATION:
; APPLICANT: Chang, Betty
; APPLICANT: Wu, Wei Wei
; APPLICANT: McArthur, James
; APPLICANT: Patel, Salil
; APPLICANT: Jooss Karin
; APPLICANT: Mendez, Michael
; APPLICANT: Donahue, Brian
; TITLE OF INVENTION: Viral-Mediated Delivery and In Vivo Expression of
; TITLE OF INVENTION: Polynucleotides Encoding Anti-Angiogenic Proteins
; FILE REFERENCE: 3802-009-27
; CURRENT APPLICATION NUMBER: US/10/135,872B
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/287,673
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/370,634
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-135-872B-1

Alignment Scores:

Pred. No.:	4.15e-136	Length:	2732
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	17	Gaps:	0

US-09-992-095B-54 (1-207) x US-10-135-872B-1 (1-2732)

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Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2404 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2463

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2464 GAGGGAGTGATGAGAAATAAT 2484
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Job time : 581 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 8, 2005, 18:02:33 ; Search time 186 Seconds
(without alignments)
1821.018 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 207
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: OLIGO
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Ygapop 60.0 , Ygapext 60.0
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Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2400006

Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	207	100.0	1724	6	5200340-5	Patent No. 5200340
2	207	100.0	1724	6	5200340-5	Patent No. 5200340
3	207	100.0	1907	4	US-10-000-489-53	Sequence 53, Appl
4	207	100.0	2296	1	US-07-750-080A-18	Sequence 18, Appl
5	207	100.0	2296	3	US-08-651-472-18	Sequence 18, Appl
6	207	100.0	2296	3	US-08-358-928-18	Sequence 18, Appl
7	207	100.0	2430	4	US-09-192-012-4	Sequence 4, Appli
8	207	100.0	2679	6	5200340-7	Patent No. 5200340
9	207	100.0	2679	6	5200340-7	Patent No. 5200340
10	207	100.0	2732	4	US-09-949-016-4112	Sequence 4112, Ap
11	207	100.0	2753	1	US-07-854-603-1	Sequence 1, Appli
12	161	77.8	690	1	US-08-379-621-1	Sequence 1, Appli
13	161	77.8	690	2	US-08-889-078-1	Sequence 1, Appli
14	109	52.7	2497	1	US-08-643-219-12	Sequence 12, Appl
15	109	52.7	2497	2	US-09-131-995-12	Sequence 12, Appl
16	109	52.7	2497	2	US-08-832-087B-12	Sequence 12, Appl
17	109	52.7	2497	3	US-08-851-350-12	Sequence 12, Appl
18	109	52.7	2497	3	US-09-132-154-12	Sequence 12, Appl
19	109	52.7	2497	4	US-08-924-287A-12	Sequence 12, Appl
20	53	25.6	55195	4	US-09-949-016-15854	Sequence 15854, A
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c 22	53	25.6	108169	4	US-09-949-016-15907	Sequence 15907, A
23	46	22.2	601	4	US-09-949-016-146441	Sequence 146441,
24	32	15.5	601	4	US-09-949-016-146449	Sequence 146449,
25	27	13.0	312	4	US-09-621-976-9524	Sequence 9524, Ap
26	14	6.8	831	4	US-09-880-503-14	Sequence 14, Appl
27	14	6.8	972	4	US-09-880-503-16	Sequence 16, Appl
28	14	6.8	1212	4	US-09-880-503-15	Sequence 15, Appl
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34	14	6.8	1236	4	US-09-880-503-12	Sequence 12, Appl
35	14	6.8	1335	1	US-07-942-157A-2	Sequence 2, Appli
36	14	6.8	1372	6	5219569-1	Patent No. 5219569
37	14	6.8	1372	6	5219569-1	Patent No. 5219569
38	14	6.8	1475	3	US-09-643-597-122	Sequence 122, App
39	14	6.8	1475	4	US-09-480-884A-122	Sequence 122, App
40	14	6.8	1475	4	US-09-542-615A-122	Sequence 122, App
41	14	6.8	1475	4	US-09-606-421B-122	Sequence 122, App
42	14	6.8	1475	4	US-09-221-107-122	Sequence 122, App
43	14	6.8	1475	4	US-09-466-396A-122	Sequence 122, App
44	14	6.8	1475	4	US-09-476-496A-122	Sequence 122, App
45	14	6.8	1475	4	US-09-630-940B-122	Sequence 122, App

ALIGNMENTS

RESULT 1
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;Patent No. 5200340
; APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
; TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
; NUMBER OF SEQUENCES: 34
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/53,412
; FILING DATE: 22-MAY-1987
;SEQ ID NO:5:
; LENGTH: 1724
5200340-5

Alignment Scores:

Pred. No.:	6.04e-217	Length:	1724
Score:	207.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

US-09-992-095B-54 (1-207) x 5200340-5 (1-1724)

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Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1093 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1152

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1513 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1572

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1573 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1632

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1633 GAGGGAGTGATGAGAAATAAT 1653
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RESULT 2
5200340-5
;Patent No. 5200340
; APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
; TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
; NUMBER OF SEQUENCES: 34
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/53,412
; FILING DATE: 22-MAY-1987
;SEQ ID NO:5:
; LENGTH: 1724
5200340-5

Alignment Scores:

Pred. No.:	6.04e-217	Length:	1724
Score:	207.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

US-09-992-095B-54 (1-207) x 5200340-5 (1-1724)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1033 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1092

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1093 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1152

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1153 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1212

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1213 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1272
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Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1273 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1332

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1333 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1392

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1393 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1452

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1453 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1512

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1513 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1572

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1573 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1632

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1633 GAGGGAGTGATGAGAAATAAT 1653
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RESULT 3
US-10-000-489-53
; Sequence 53, Application US/10000489
; Patent No. 6794363
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 53
; LENGTH: 1907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..1043
; NAME/KEY: CDS
; LOCATION: 1044..1664
; NAME/KEY: 3'UTR
; LOCATION: 1665..1907
; NAME/KEY: polyA_signal
; LOCATION: 1869..1874
; NAME/KEY: polyA_site
; LOCATION: 1892..1907
US-10-000-489-53

Alignment Scores:

Pred. No.:	6.69e-217	Length:	1907

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Score:                 207.00        Matches:       207
Percent Similarity:    100.00%       Conservative:  0
Best Local Similarity: 100.00%       Mismatches:    0
Query Match:           100.00%       Indels:        0
DB:                    4             Gaps:          0

US-09-992-095B-54 (1-207) x US-10-000-489-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 4
US-07-750-080A-18
; Sequence 18, Application US/07750080A
; Patent No. 5445953
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF A MODIFIED
;    TITLE OF INVENTION:  EUKARYOTIC CYTOPLASMIC DNA VIRUS GENOME
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/750,080A
;      FILING DATE:  19910826
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/106 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2296 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  pN2gpt-LPg (Fig. 5.3)
US-07-750-080A-18

Alignment Scores:
Pred. No.:             8.08e-217     Length:        2296
Score:                 207.00        Matches:       207
Percent Similarity:    100.00%       Conservative:  0
Best Local Similarity: 100.00%       Mismatches:    0
Query Match:           100.00%       Indels:        0
DB:                    1             Gaps:          0

US-09-992-095B-54 (1-207) x US-07-750-080A-18 (1-2296)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2199 GAGGGAGTGATGAGAAATAAT 2219

RESULT 5
US-08-651-472-18
; Sequence 18, Application US/08651472
; Patent No. 6103244
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, Friedrich
;    APPLICANT:  SCHEIFLINGER, Friedrich
;    APPLICANT:  FALKNER, Falko Gunter
;    APPLICANT:  PFLEIDERER, Michael
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF CHIMERIC
;    TITLE OF INVENTION:  VIRUSES CONTAINING HUMAN IMMUNODEFCIENCY VIRUS TYPE 1
;    TITLE OF INVENTION:  (HIV-1) ANTIGENS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,472
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/914,738
;      FILING DATE:  20-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/750,080
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/166/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2296 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA oligonucleotide
;    IMMEDIATE SOURCE:
;      CLONE:  pN2gpt-LPg
US-08-651-472-18

Alignment Scores:
Pred. No.:              8.08e-217      Length:          2296
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     3              Gaps:            0

US-09-992-095B-54 (1-207) x US-08-651-472-18 (1-2296)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2199 GAGGGAGTGATGAGAAATAAT 2219

RESULT 6
US-08-358-928-18
; Sequence 18, Application US/08358928
; Patent No. 6265183
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, Friedrich
;    APPLICANT:  SCHEIFLINGER, Friedrich
;    APPLICANT:  FALKNER, Falko Gunter
;    APPLICANT:  PFLEIDERER, Michael
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF CHIMERIC
;    TITLE OF INVENTION:  VIRUSES CONTAINING HUMAN IMMUNODEFCIENCY VIRUS TYPE 1
;    TITLE OF INVENTION:  (HIV-1) ANTIGENS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,928
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/914,738
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;      FILING DATE:  20-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/750,080
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/166/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2296 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA oligonucleotide
;    IMMEDIATE SOURCE:
;      CLONE:  pN2gpt-LPg
US-08-358-928-18

Alignment Scores:
Pred. No.:              8.08e-217      Length:         2296
Score:                  207.00         Matches:        207
Percent Similarity:     100.00%        Conservative:   0
Best Local Similarity:  100.00%        Mismatches:     0
Query Match:            100.00%        Indels:         0
DB:                     3              Gaps:           0

US-09-992-095B-54 (1-207) x US-08-358-928-18 (1-2296)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2199 GAGGGAGTGATGAGAAATAAT 2219

RESULT 7
US-09-192-012-4
; Sequence 4, Application US/09192012A
; Patent No. 6475784
; GENERAL INFORMATION:
;  APPLICANT: Papkoff, Jackie
;  APPLICANT: Megabios Corporation
;  APPLICANT: Pfizer, Inc.
;  TITLE OF INVENTION: Inhibition of Angiogenesis by Delivery of Nucleic Acids
;  TITLE OF INVENTION: Encoding Anti-Angiogenis Polypeptides
;  FILE REFERENCE: 018484-000110US
;  CURRENT APPLICATION NUMBER: US/09/192,012A
;  CURRENT FILING DATE: 1998-11-13
;  EARLIER APPLICATION NUMBER: US 60/066,020
;  EARLIER FILING DATE: 1997-11-14
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 2430
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)..(2430)
;   OTHER INFORMATION: human plasminogen
US-09-192-012-4

Alignment Scores:
Pred. No.:              8.57e-217      Length:         2430
Score:                  207.00         Matches:        207
Percent Similarity:     100.00%        Conservative:   0
Best Local Similarity:  100.00%        Mismatches:     0
Query Match:            100.00%        Indels:         0
DB:                     4              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-192-012-4 (1-2430)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1810 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1869

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1870 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1929

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1930 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1989

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1990 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2049

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2050 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2109

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2110 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2169

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2170 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2229

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2230 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2289
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Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2290 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2349

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2350 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2409

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       2410 GAGGGAGTGATGAGAAATAAT 2430

RESULT 8
5200340-7
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:7:
;      LENGTH: 2679
5200340-7

Alignment Scores:
Pred. No.:                9.46e-217      Length:          2679
Score:                    207.00         Matches:         207
Percent Similarity:       100.00%        Conservative:    0
Best Local Similarity:    100.00%        Mismatches:      0
Query Match:              100.00%        Indels:          0
DB:                       6              Gaps:            0

US-09-992-095B-54 (1-207) x 5200340-7 (1-2679)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1831 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1890

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1891 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1950

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1951 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2010

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2011 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2070

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2071 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2130

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2131 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2190

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2191 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2250

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db       2251 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2310

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2311 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2370

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2371 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2430

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       2431 GAGGGAGTGATGAGAAATAAT 2451

RESULT 9
5200340-7
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:7:
;      LENGTH: 2679
5200340-7

Alignment Scores:
Pred. No.:                9.46e-217      Length:          2679
Score:                    207.00         Matches:         207
Percent Similarity:       100.00%        Conservative:    0
Best Local Similarity:    100.00%        Mismatches:      0
Query Match:              100.00%        Indels:          0
DB:                       6              Gaps:            0

US-09-992-095B-54 (1-207) x 5200340-7 (1-2679)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1831 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1890

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1891 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1950

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1951 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2010

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2011 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2070

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2071 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2130

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2131 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2190

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2191 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2250

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2251 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2310

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2311 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2370

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2371 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2430
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Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2431 GAGGGAGTGATGAGAAATAAT 2451

RESULT 10
US-09-949-016-4112
; Sequence 4112, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4112
;   LENGTH: 2732
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-4112

Alignment Scores:
Pred. No.:                9.65e-217      Length:          2732
Score:                    207.00         Matches:         207
Percent Similarity:       100.00%        Conservative:    0
Best Local Similarity:    100.00%        Mismatches:      0
Query Match:              100.00%        Indels:          0
DB:                       4              Gaps:            0

US-09-992-095B-54 (1-207) x US-09-949-016-4112 (1-2732)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1864 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1923

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1924 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1983

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db       2164 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2223

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db       2224 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2283

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2284 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGGCCT 2343

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2344 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2403

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2404 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2463

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2464 GAGGGAGTGATGAGAAATAAT 2484

RESULT 11
US-07-854-603-1
; Sequence 1, Application US/07854603
; Patent No. 5637492
;  GENERAL INFORMATION:
;    APPLICANT:  Dawson, Keith M
;    APPLICANT:  Edwards, Richard M
;    APPLICANT:  Forman, Joan M
;    TITLE OF INVENTION:  Activatable fibrinolytic and
;    TITLE OF INVENTION:  anti-thrombotic proteins
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dr. John J. McDonnel
;      STREET:  Ten South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/854,603
;      FILING DATE:  19901207
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDonnell, John J
;      REGISTRATION NUMBER:  26,949
;      REFERENCE/DOCKET NUMBER:  92,338
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2753 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..2753
;      OTHER INFORMATION:  /note= "Fig. 2  Plasminogen cDNA
;      OTHER INFORMATION:  sequence"
;    FEATURE:
;      NAME/KEY:  sig_peptide
;      LOCATION:  65..121
;    FEATURE:
;      NAME/KEY:  mat_peptide
;      LOCATION:  122..2494
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  65..2494
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  54..55
;      OTHER INFORMATION:  /note= "BalI site"
;    FEATURE:
;      NAME/KEY:  misc_feature
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;      LOCATION:  2564..2565
;      OTHER INFORMATION:  /note= "SphI site"
US-07-854-603-1

Alignment Scores:
Pred. No.:              9.73e-217       Length:         2753
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     1               Gaps:           0

US-09-992-095B-54 (1-207) x US-07-854-603-1 (1-2753)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1874 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1933

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1934 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1993

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1994 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2053

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2054 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2113

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2114 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2173

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2174 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2233

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2234 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2293

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2294 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2353

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2354 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2413

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2414 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2473

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2474 GAGGGAGTGATGAGAAATAAT 2494

RESULT 12
US-08-379-621-1
; Sequence 1, Application US/08379621
; Patent No. 5645833
;  GENERAL INFORMATION:
;    APPLICANT:  DAWSON, Keith
;    APPLICANT:  GILBERT, Richard James
;    TITLE OF INVENTION:  INHIBITOR RESISTANT SERINE PROTEASES
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HALE AND DORR
;      STREET:  1455 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  District of Columbia
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,621
;      FILING DATE:  03-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB93/01632
;      FILING DATE:  03-AUG-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BAKER, Hollie L.
;      REGISTRATION NUMBER:  31,321
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 942-8400
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  690 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..690
;      OTHER INFORMATION:  /partial
;      OTHER INFORMATION:  /codon_start= 1
;      OTHER INFORMATION:  /function= "encodes plasmin protease domain"
;      OTHER INFORMATION:  /product= "nucleotide with corresponding
;      OTHER INFORMATION:  protein"
;      OTHER INFORMATION:  /number= 1
US-08-379-621-1

Alignment Scores:
Pred. No.:              6.14e-167       Length:         690
Score:                  161.00          Matches:        206
Percent Similarity:     99.04%          Conservative:   0
Best Local Similarity:  99.04%          Mismatches:     1
Query Match:            77.78%          Indels:         2
DB:                     1               Gaps:           0

US-09-992-095B-54 (1-207) x US-08-379-621-1 (1-690)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         70 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 129

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        130 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 189

Qy         41 AsnLeuGluProHisVal-GlnGluIleGluValSerArgLeuPheLeuGluProThrAr 60
              ||||||||||||||||  ||||||||||||||||||||||||||||||||||||||||||||
Db        190 AATCTCGAACCGCATGG-TCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACG 248

Qy         60 gLysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePr 80
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Db        249 AAAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCC 308

Qy         80 oAlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGl 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        309 AGCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGG 368

Qy        100 yTrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVa 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        369 CTGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGT 428
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Qy        120 lIleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGl 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        429 GATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGA 488

Qy        140 uLeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPr 160
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Db        489 ACTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCC 548

Qy        160 oLeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGl 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        549 TCTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGG 608

Qy        180 yCysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIl 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        609 CTGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGAT 668

Qy        200 eGluGlyValMetArgAsnAsn 207
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Db        669 TGAGGGAGTGATGAGAAATAAT 690
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RESULT 13
US-08-889-078-1
; Sequence 1, Application US/08889078
; Patent No. 5932213
; GENERAL INFORMATION:
; APPLICANT: Dawson, Keith Martyn
; APPLICANT: Richard James Gilbert
; TITLE OF INVENTION: MODIFIED PLASMIN PRECURSORS WITH RESISTANCE TO
; TITLE OF INVENTION: INHIBITORS OF PLASMIN
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HALE AND DORR LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: United States of America
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,078
; FILING DATE: 7 JULY 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Baker, Hollie L.
; REGISTRATION NUMBER: 31,321
; REFERENCE/DOCKET NUMBER: 102378.187CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 690 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..690
; OTHER INFORMATION: /partial
; OTHER INFORMATION: /codon_start= 1
; OTHER INFORMATION: /function= "encodes plasmin protease domain"
; OTHER INFORMATION: /product= "nucleotide with corresponding
; OTHER INFORMATION: protein"
; OTHER INFORMATION: /number= 1

US-08-889-078-1

Alignment Scores:

Pred. No.:	6.14e-167	Length:	690
Score:	161.00	Matches:	206
Percent Similarity:	99.04%	Conservative:	0
Best Local Similarity:	99.04%	Mismatches:	1
Query Match:	77.78%	Indels:	2
DB:	2	Gaps:	0

US-09-992-095B-54 (1-207) x US-08-889-078-1 (1-690)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db         70 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 129

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        130 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 189

Qy         41 AsnLeuGluProHisVal-GlnGluIleGluValSerArgLeuPheLeuGluProThrAr 60
              ||||||||||||||||   ||||||||||||||||||||||||||||||||||||||||||||
Db        190 AATCTCGAACCGCATGG-TCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACG 248

Qy         60 gLysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePr 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        249 AAAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCC 308

Qy         80 oAlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGl 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        309 AGCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGG 368

Qy        100 yTrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVa 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        369 CTGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGT 428

Qy        120 lIleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGl 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        429 GATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGA 488

Qy        140 uLeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPr 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        489 ACTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCC 548

Qy        160 oLeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGl 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        549 TCTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGG 608

Qy        180 yCysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIl 200
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Db        609 CTGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGAT 668

Qy        200 eGluGlyValMetArgAsnAsn 207
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Db        669 TGAGGGAGTGATGAGAAATAAT 690
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RESULT 14
US-08-643-219-12
; Sequence 12, Application US/08643219
; Patent No. 5801146
; GENERAL INFORMATION:
; APPLICANT: Davidson, Donald J.
; TITLE OF INVENTION: NOVEL ANTIANGIOGENIC PEPTIDES
; TITLE OF INVENTION: AND METHODS FOR INHIBITING ANGIOGENESIS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064
; COMPUTER READABLE FORM:

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;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/643,219
;      FILING DATE:  06-MAY-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-643-219-12

Alignment Scores:
Pred. No.:              2.22e-109      Length:         2497
Score:                  109.00         Matches:        206
Percent Similarity:     99.04%         Conservative:   0
Best Local Similarity:  99.04%         Mismatches:     1
Query Match:            52.66%         Indels:         2
DB:                     1              Gaps:           0

US-09-992-095B-54 (1-207) x US-08-643-219-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIle-ThrGl 100
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Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGT-CACTGG 2157

Qy        100 yTrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVa 120
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Db       2158 CTGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGT 2217

Qy        120 lIleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGl 140
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Db       2218 GATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGA 2277

Qy        140 uLeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPr 160
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Db       2278 ACTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCC 2337

Qy        160 oLeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGl 180
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Db       2338 TCTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGG 2397

Qy        180 yCysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIl 200
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Db       2398 CTGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGAT 2457

Qy        200 eGluGlyValMetArgAsnAsn 207
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Db       2458 TGAGGGAGTGATGAGAAATAAT 2479

RESULT 15
US-09-131-995-12
; Sequence 12, Application US/09131995
; Patent No. 5972896
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/131,995
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-131-995-12

Alignment Scores:
Pred. No.:              2.22e-109      Length:         2497
Score:                  109.00         Matches:        206
Percent Similarity:     99.04%         Conservative:   0
Best Local Similarity:  99.04%         Mismatches:     1
Query Match:            52.66%         Indels:         2
DB:                     2              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-131-995-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978
```

```
Qy        41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy        61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy        81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIle-ThrGl 100
             ||||||||||||||||||||||||||||||||||||||||||||||||||||     |||||
Db      2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGT-CACTGG 2157

Qy       100 yTrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVa 120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2158 CTGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGT 2217

Qy       120 lIleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGl 140
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Db      2218 GATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGA 2277

Qy       140 uLeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPr 160
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Db      2278 ACTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCC 2337

Qy       160 oLeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGl 180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2338 TCTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGG 2397

Qy       180 yCysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIl 200
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2398 CTGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGAT 2457

Qy       200 eGluGlyValMetArgAsnAsn 207
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Db      2458 TGAGGGAGTGATGAGAAATAAT 2479
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Search completed: May 8, 2005, 21:22:25
Job time : 193 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 8, 2005, 18:05:53 ; Search time 575 Seconds
(without alignments)
2201.244 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 207
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: OLIGO
Xgapop 60.0 , Xgapext 60.0
Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 5654200 seqs, 3057283753 residues

Word size: 1

Total number of hits satisfying chosen parameters: 11297851

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:
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-Q=/cgn2_1/USPTO_spool/US09992095/runat_06052005_105956_24578/app_query.fasta_1.391
-DB=Published_Applications_NA -QFMT=fastap -SUFFIX=olip2n.rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR_SCORE=quality -THR_MIN=1
-ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09992095_@CGN_1_1_480_@runat_06052005_105956_24578
-NCPU=6 -ICPU=3 -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published_Applications_NA:*
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	207	100.0	750	17	US-10-450-976-3	Sequence 3, Appli
2	207	100.0	1047	17	US-10-450-976-5	Sequence 5, Appli
3	207	100.0	1907	10	US-09-992-600A-53	Sequence 53, Appl
4	207	100.0	1907	10	US-09-924-340-53	Sequence 53, Appl
5	207	100.0	1907	10	US-09-992-095B-53	Sequence 53, Appl
6	207	100.0	1907	10	US-09-999-570-53	Sequence 53, Appl
7	207	100.0	1907	14	US-10-000-489-53	Sequence 53, Appl
8	207	100.0	1907	14	US-10-000-986-53	Sequence 53, Appl
9	207	100.0	1907	16	US-10-154-678-53	Sequence 53, Appl
10	207	100.0	1907	16	US-10-001-142-53	Sequence 53, Appl
11	207	100.0	1907	19	US-10-838-854-53	Sequence 53, Appl
12	207	100.0	2433	17	US-10-450-976-1	Sequence 1, Appli
13	207	100.0	2497	9	US-09-946-893-1	Sequence 1, Appli
14	207	100.0	2732	14	US-10-193-656-1	Sequence 1, Appli
15	207	100.0	2732	17	US-10-135-872B-1	Sequence 1, Appli
16	207	100.0	2732	18	US-10-625-899-3	Sequence 3, Appli
17	115	55.6	3243	18	US-10-741-601-125	Sequence 125, App
18	109	52.7	2497	18	US-10-753-646-12	Sequence 12, Appl
19	66	31.9	201	18	US-10-741-601-2633	Sequence 2633, Ap
20	66	31.9	201	18	US-10-741-601-2649	Sequence 2649, Ap
21	66	31.9	201	18	US-10-741-601-2657	Sequence 2657, Ap
22	66	31.9	201	18	US-10-741-601-2660	Sequence 2660, Ap
23	53	25.6	201	18	US-10-741-601-2630	Sequence 2630, Ap
24	53	25.6	201	18	US-10-741-601-14280	Sequence 14280, A
25	53	25.6	436	18	US-10-357-930-38710	Sequence 38710, A
26	53	25.6	440	18	US-10-357-930-8787	Sequence 8787, Ap
c 27	53	25.6	508	10	US-09-918-995-35150	Sequence 35150, A
28	53	25.6	648	14	US-10-198-846-7997	Sequence 7997, Ap
29	53	25.6	661	14	US-10-198-846-13816	Sequence 13816, A
30	53	25.6	776	18	US-10-357-930-25636	Sequence 25636, A
31	53	25.6	897	14	US-10-198-846-9865	Sequence 9865, Ap
32	53	25.6	1236	9	US-09-880-107-2341	Sequence 2341, Ap
33	53	25.6	1236	10	US-09-873-367C-158	Sequence 158, App
34	53	25.6	1236	11	US-09-968-007A-137	Sequence 137, App
35	53	25.6	1236	11	US-09-968-007A-460	Sequence 460, App
36	53	25.6	1236	19	US-10-843-641A-158	Sequence 158, App
37	53	25.6	1236	19	US-10-843-641A-6607	Sequence 6607, Ap
38	53	25.6	1236	19	US-10-843-641A-6930	Sequence 6930, Ap
39	53	25.6	63693	18	US-10-741-601-5650	Sequence 5650, Ap
40	46	22.2	201	18	US-10-741-601-14344	Sequence 14344, A
41	42	20.3	10422	9	US-09-870-759-125	Sequence 125, App
42	42	20.3	10422	10	US-09-751-708A-125	Sequence 125, App
43	42	20.3	10422	18	US-10-428-817A-121	Sequence 121, App
44	42	20.3	13938	10	US-09-923-515-3	Sequence 3, Appli
45	42	20.3	13938	18	US-10-684-440-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-10-450-976-3
; Sequence 3, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
; APPLICANT: COLLEN, Desire Jose
; APPLICANT: NAGAI, Nubuo
; APPLICANT: LAROCHE, Yves
; TITLE OF INVENTION: A Yeast Expression Vector and a Method
; TITLE OF INVENTION: of Making a Recombinant Protein by Expression in a Yeast
; TITLE OF INVENTION: Cell
; FILE REFERENCE: 50304/005001
; CURRENT APPLICATION NUMBER: US/10/450,976
; CURRENT FILING DATE: 2003-06-18
; PRIOR APPLICATION NUMBER: PCT/BE01/00217
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: GB 0116702
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: GB 0116690
; PRIOR FILING DATE: 2001-07-09

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;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 750
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(750)
US-10-450-976-3

Alignment Scores:
Pred. No.:              1.02e-208      Length:          750
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     17             Gaps:            0

US-09-992-095B-54 (1-207) x US-10-450-976-3 (1-750)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        127 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 186

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        187 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 246

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        247 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 306

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        307 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 366

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        367 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 426

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        427 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 486

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        487 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 546

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        547 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 606

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        607 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 666

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        667 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 726

Qy        201 GluGlyValMetArgAsnAsn 207
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Db        727 GAGGGAGTGATGAGAAATAAT 747

RESULT 2
US-10-450-976-5
; Sequence 5, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 1047
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(1047)
US-10-450-976-5

Alignment Scores:
Pred. No.:              1.38e-208      Length:          1047
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     17             Gaps:            0

US-09-992-095B-54 (1-207) x US-10-450-976-5 (1-1047)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db        424 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 483

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db        484 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 543

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        544 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 603

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db        604 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 663

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db        664 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 723

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db        724 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 783

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db        784 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 843

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db        844 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 903

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db        964 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1023

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1024 GAGGGAGTGATGAGAAATAAT 1044

RESULT 3
US-09-992-600A-53
; Sequence 53, Application US/09992600A
; Publication No. US20030027161A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US4.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,600A
;  CURRENT FILING DATE:  2001-11-13
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 114
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-992-600A-53

Alignment Scores:
Pred. No.:              2.37e-208       Length:         1907
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-992-600A-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 4
US-09-924-340-53
; Sequence 53, Application US/09924340
; Publication No. US20030027248A1
; GENERAL INFORMATION:
;  APPLICANT: Bejanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/924,340
;  CURRENT FILING DATE:  2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13.
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-924-340-53
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Alignment Scores:
Pred. No.:              2.37e-208       Length:         1907
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-924-340-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 5
US-09-992-095B-53
; Sequence 53, Application US/09992095B
; Publication No. US20030157485A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US5.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,095B
;  CURRENT FILING DATE:  2003-02-20
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;    LENGTH: 1907
;    TYPE: DNA
;    ORGANISM: Homo sapiens
;    FEATURE:
;    NAME/KEY: 5'UTR
;    LOCATION: 1..1043
;    FEATURE:
;    NAME/KEY: CDS
;    LOCATION: 1044..1664
;    FEATURE:
;    NAME/KEY: 3'UTR
;    LOCATION: 1665..1907
;    FEATURE:
;    NAME/KEY: polyA_signal
;    LOCATION: 1869..1874
;    FEATURE:
;    NAME/KEY: polyA_site
;    LOCATION: 1892..1907
US-09-992-095B-53

Alignment Scores:
Pred. No.:              2.37e-208       Length:         1907
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     10              Gaps:           0

US-09-992-095B-54 (1-207) x US-09-992-095B-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 6
US-09-999-570-53
; Sequence 53, Application US/09999570
; Publication No. US20030170628A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: G-091US08DIV
;  CURRENT APPLICATION NUMBER: US/09/999,570
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-09-999-570-53

Alignment Scores:
Pred. No.:              2.37e-208      Length:          1907
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     10             Gaps:            0

US-09-992-095B-54 (1-207) x US-09-999-570-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 7
US-10-000-489-53
; Sequence 53, Application US/10000489
; Publication No. US20030092011A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US6.DIV
;  CURRENT APPLICATION NUMBER: US/10/000,489
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
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;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-000-489-53

Alignment Scores:
Pred. No.:              2.37e-208       Length:         1907
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     14              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-000-489-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 8
US-10-000-986-53
; Sequence 53, Application US/10000986
; Publication No. US20030096247A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US9.DIV
;  CURRENT APPLICATION NUMBER: US/10/000,986
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-000-986-53

Alignment Scores:
Pred. No.:              2.37e-208       Length:         1907
Score:                  207.00          Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     14              Gaps:           0

US-09-992-095B-54 (1-207) x US-10-000-986-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583
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Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 9
US-10-154-678-53
; Sequence 53, Application US/10154678
; Publication No. US20030162186A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 182.US1.REG
;  CURRENT APPLICATION NUMBER: US/10/154,678
;  CURRENT FILING DATE:  2002-10-15
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   FEATURE:
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   FEATURE:
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   FEATURE:
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-154-678-53

Alignment Scores:
Pred. No.:              2.37e-208      Length:          1907
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     16             Gaps:            0

US-09-992-095B-54 (1-207) x US-10-154-678-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 10
US-10-001-142-53
; Sequence 53, Application US/10001142
; Publication No. US20030198954A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US7.DIV
;  CURRENT APPLICATION NUMBER: US/10/001,142
;  CURRENT FILING DATE:  2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;   LENGTH: 1907
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: 5'UTR
;   LOCATION: 1..1043
;   NAME/KEY: CDS
;   LOCATION: 1044..1664
;   NAME/KEY: 3'UTR
;   LOCATION: 1665..1907
;   NAME/KEY: polyA_signal
;   LOCATION: 1869..1874
;   NAME/KEY: polyA_site
;   LOCATION: 1892..1907
US-10-001-142-53

Alignment Scores:
Pred. No.:              2.37e-208      Length:          1907
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
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Best Local Similarity:  100.00%       Mismatches:     0
Query Match:            100.00%       Indels:         0
DB:                     16            Gaps:           0

US-09-992-095B-54 (1-207) x US-10-001-142-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 11
US-10-838-854-53
; Sequence 53, Application US/10838854
; Publication No. US20050026182A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US6.DIV
;  CURRENT APPLICATION NUMBER: US/10/838,854
;  CURRENT FILING DATE:  2004-05-03
;  PRIOR APPLICATION NUMBER: US/10/000,489
;  PRIOR FILING DATE: 2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 53
;    LENGTH: 1907
;    TYPE: DNA
;    ORGANISM: Homo sapiens
;    FEATURE:
;    NAME/KEY: 5'UTR
;    LOCATION: 1..1043
;    FEATURE:
;    NAME/KEY: CDS
;    LOCATION: 1044..1664
;    FEATURE:
;    NAME/KEY: 3'UTR
;    LOCATION: 1665..1907
;    FEATURE:
;    NAME/KEY: polyA_signal
;    LOCATION: 1869..1874
;    FEATURE:
;    NAME/KEY: polyA_site
;    LOCATION: 1892..1907
US-10-838-854-53

Alignment Scores:
Pred. No.:              2.37e-208     Length:         1907
Score:                  207.00        Matches:        207
Percent Similarity:     100.00%       Conservative:   0
Best Local Similarity:  100.00%       Mismatches:     0
Query Match:            100.00%       Indels:         0
DB:                     19            Gaps:           0

US-09-992-095B-54 (1-207) x US-10-838-854-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 12
US-10-450-976-1
; Sequence 1, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 2433
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)...(2433)
US-10-450-976-1

Alignment Scores:
Pred. No.:              2.96e-208      Length:          2433
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     17             Gaps:            0

US-09-992-095B-54 (1-207) x US-10-450-976-1 (1-2433)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1810 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1869

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1870 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1929

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1930 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1989

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1990 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2049

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2050 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2109

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2110 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2169

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2170 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2229

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2230 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2289

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2290 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2349

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2350 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2409

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2410 GAGGGAGTGATGAGAAATAAT 2430

RESULT 13
US-09-946-893-1
; Sequence 1, Application US/09946893
; Patent No. US20020072494A1
; GENERAL INFORMATION:
;  APPLICANT: Cao, Yihai
;  TITLE OF INVENTION: Materials and methods relating to endothelial cell growth
;  TITLE OF INVENTION:  inhibitors
;  FILE REFERENCE: Mewburn
;  CURRENT APPLICATION NUMBER: US/09/946,893
;  CURRENT FILING DATE:  2001-09-05
;  PRIOR APPLICATION NUMBER: US 60/230,893
;  PRIOR FILING DATE: 2000-09-05
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 2497
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (50)..(2482)
US-09-946-893-1

Alignment Scores:
Pred. No.:              3.03e-208      Length:          2497
Score:                  207.00         Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
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US-09-992-095B-54 (1-207) x US-09-946-893-1 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db       2219 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2278

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
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Db       2339 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2398

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2399 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2458

Qy        201 GluGlyValMetArgAsnAsn 207
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; Sequence 1, Application US/10193656
; Publication No. US20030096733A1
; GENERAL INFORMATION:
; APPLICANT: NY, Tor
; APPLICANT: HOLMDAHL, Rikard
; APPLICANT: LI, Jinan
; TITLE OF INVENTION: NOVEL DRUG TARGETS FOR ARTHRITIS
; FILE REFERENCE: 3810/1J577-US3
; CURRENT APPLICATION NUMBER: US/10/193,656
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/304,461
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/304,490
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,182
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: GenBank / X05199
; DATABASE ENTRY DATE: 1995-03-21
; RELEVANT RESIDUES: (1)..(2732)
US-10-193-656-1

Alignment Scores:

Pred. No.:	3.29e-208	Length:	2732
Score:	207.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
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US-09-992-095B-54 (1-207) x US-10-193-656-1 (1-2732)

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Db       1864 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1923

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1924 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1983

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db       2164 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2223

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db       2224 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2283

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Db       2284 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2343

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Db       2344 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2403

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Qy        201 GluGlyValMetArgAsnAsn 207
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; Sequence 1, Application US/10135872B
; Publication No. US20040071659A1
; GENERAL INFORMATION:
; APPLICANT: Chang, Betty
; APPLICANT: Wu, Wei Wei
; APPLICANT: McArthur, James
; APPLICANT: Patel, Salil
; APPLICANT: Jooss Karin
; APPLICANT: Mendez, Michael
; APPLICANT: Donahue, Brian
; TITLE OF INVENTION: Viral-Mediated Delivery and In Vivo Expression of
; TITLE OF INVENTION: Polynucleotides Encoding Anti-Angiogenic Proteins
; FILE REFERENCE: 3802-009-27
; CURRENT APPLICATION NUMBER: US/10/135,872B
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/287,673
; PRIOR FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/370,634
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2732
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-135-872B-1

Alignment Scores:

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Score:	207.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
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US-09-992-095B-54 (1-207) x US-10-135-872B-1 (1-2732)

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Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
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Db       2224 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2283

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
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Db       2344 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2403

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2404 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2463

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2464 GAGGGAGTGATGAGAAATAAT 2484
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Job time : 581 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 8, 2005, 17:56:18 ; Search time 187 Seconds
(without alignments)
1811.280 Million cell updates/sec

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Perfect score: 1113
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1113	100.0	1724	6	5200340-5	Patent No. 5200340
3	1113	100.0	1907	4	US-10-000-489-53	Sequence 53, Appl
4	1113	100.0	2296	1	US-07-750-080A-18	Sequence 18, Appl
5	1113	100.0	2296	3	US-08-651-472-18	Sequence 18, Appl
6	1113	100.0	2296	3	US-08-358-928-18	Sequence 18, Appl
7	1113	100.0	2430	4	US-09-192-012-4	Sequence 4, Appli
8	1113	100.0	2679	6	5200340-7	Patent No. 5200340
9	1113	100.0	2679	6	5200340-7	Patent No. 5200340
10	1113	100.0	2732	4	US-09-949-016-4112	Sequence 4112, Ap
11	1113	100.0	2753	1	US-07-854-603-1	Sequence 1, Appli
12	1112	99.9	2497	1	US-08-643-219-12	Sequence 12, Appl
13	1112	99.9	2497	2	US-09-131-995-12	Sequence 12, Appl
14	1112	99.9	2497	2	US-08-832-087B-12	Sequence 12, Appl
15	1112	99.9	2497	3	US-08-851-350-12	Sequence 12, Appl
16	1112	99.9	2497	3	US-09-132-154-12	Sequence 12, Appl
17	1112	99.9	2497	4	US-08-924-287A-12	Sequence 12, Appl
18	1106	99.4	690	1	US-08-379-621-1	Sequence 1, Appli
19	1106	99.4	690	2	US-08-889-078-1	Sequence 1, Appli
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22	448	40.3	2440	4	US-09-949-016-5212	Sequence 5212, Ap
23	444	39.9	1615	4	US-09-820-002-1	Sequence 1, Appli
24	444	39.9	1783	3	US-09-510-738A-188	Sequence 188, App
25	444	39.9	1783	4	US-09-861-966-188	Sequence 188, App
26	444	39.9	1783	4	US-09-919-048-188	Sequence 188, App
27	444	39.9	1783	4	US-09-949-016-1311	Sequence 1311, Ap
28	444	39.9	2363	3	US-09-742-703-3	Sequence 3, Appli
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30	440.5	39.6	2413	3	US-09-518-046-1	Sequence 1, Appli
31	437	39.3	1130	4	US-09-387-375-8	Sequence 8, Appli
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36	437	39.3	1613	4	US-10-042-091A-1	Sequence 1, Appli
37	434	39.0	980	4	US-09-023-942A-30	Sequence 30, Appl
38	434	39.0	1110	3	US-09-386-653A-1	Sequence 1, Appli
39	434	39.0	1130	3	US-09-386-653A-8	Sequence 8, Appli
40	433	38.9	1605	2	US-09-000-846-1	Sequence 1, Appli
41	428	38.5	1212	4	US-09-620-312D-431	Sequence 431, App
42	424.5	38.1	959	4	US-09-023-942A-25	Sequence 25, Appl
43	423.5	38.1	2581	1	US-08-200-900A-1	Sequence 1, Appli
44	423.5	38.1	2581	4	US-08-794-042-1	Sequence 1, Appli
45	423.5	38.1	2581	5	PCT-US94-00616-1	Sequence 1, Appli

ALIGNMENTS

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;Patent No. 5200340
; APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
; TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
; NUMBER OF SEQUENCES: 34
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/53,412
; FILING DATE: 22-MAY-1987
;SEQ ID NO:5:
; LENGTH: 1724
5200340-5

Alignment Scores:

Pred. No.:	1.71e-130	Length:	1724
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US-09-992-095B-54 (1-207) x 5200340-5 (1-1724)

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Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
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Db       1093 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1152

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1573 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1632

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1633 GAGGGAGTGATGAGAAATAAT 1653
```

RESULT 2
5200340-5
;Patent No. 5200340
; APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
; TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
; NUMBER OF SEQUENCES: 34
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/53,412
; FILING DATE: 22-MAY-1987
;SEQ ID NO:5:
; LENGTH: 1724
5200340-5

Alignment Scores:

Pred. No.:	1.71e-130	Length:	1724
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

US-09-992-095B-54 (1-207) x 5200340-5 (1-1724)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1033 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1092

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1093 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1152

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1153 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1212

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1213 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1272

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1273 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1332

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1333 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1392

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1393 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1452

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1453 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1512

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1513 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1572

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1573 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1632

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1633 GAGGGAGTGATGAGAAATAAT 1653
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RESULT 3
US-10-000-489-53
; Sequence 53, Application US/10000489
; Patent No. 6794363
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 53
; LENGTH: 1907
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..1043
; NAME/KEY: CDS
; LOCATION: 1044..1664
; NAME/KEY: 3'UTR
; LOCATION: 1665..1907
; NAME/KEY: polyA_signal
; LOCATION: 1869..1874
; NAME/KEY: polyA_site
; LOCATION: 1892..1907
US-10-000-489-53

Alignment Scores:

Pred. No.:	2e-130	Length:	1907

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Score:                  1113.00       Matches:       207
Percent Similarity:     100.00%       Conservative:  0
Best Local Similarity:  100.00%       Mismatches:    0
Query Match:            100.00%       Indels:        0
DB:                     4             Gaps:          0

US-09-992-095B-54 (1-207) x US-10-000-489-53 (1-1907)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1044 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1103

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1104 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1163

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1164 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1223

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1224 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1283

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1284 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1343

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1344 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1403

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1404 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 1463

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1464 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 1523

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1524 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 1583

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1584 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 1643

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       1644 GAGGGAGTGATGAGAAATAAT 1664

RESULT 4
US-07-750-080A-18
; Sequence 18, Application US/07750080A
; Patent No. 5445953
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, F.
;    APPLICANT:  SCHEIFLINGER, F.
;    APPLICANT:  FALKNER, F. G.
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF A MODIFIED
;    TITLE OF INVENTION:  EUKARYOTIC CYTOPLASMIC DNA VIRUS GENOME
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/750,080A
;      FILING DATE:  19910826
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/106 IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2296 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  pN2gpt-LPg (Fig. 5.3)
US-07-750-080A-18

Alignment Scores:
Pred. No.:              2.66e-130     Length:        2296
Score:                  1113.00       Matches:       207
Percent Similarity:     100.00%       Conservative:  0
Best Local Similarity:  100.00%       Mismatches:    0
Query Match:            100.00%       Indels:        0
DB:                     1             Gaps:          0

US-09-992-095B-54 (1-207) x US-07-750-080A-18 (1-2296)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2199 GAGGGAGTGATGAGAAATAAT 2219

RESULT 5
US-08-651-472-18
; Sequence 18, Application US/08651472
; Patent No. 6103244
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, Friedrich
;    APPLICANT:  SCHEIFLINGER, Friedrich
;    APPLICANT:  FALKNER, Falko Gunter
;    APPLICANT:  PFLEIDERER, Michael
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF CHIMERIC
;    TITLE OF INVENTION:  VIRUSES CONTAINING HUMAN IMMUNODEFCIENCY VIRUS TYPE 1
;    TITLE OF INVENTION:  (HIV-1) ANTIGENS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/651,472
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/914,738
;      FILING DATE:  20-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/750,080
;      FILING DATE:  26-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/166/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2296 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA oligonucleotide
;    IMMEDIATE SOURCE:
;      CLONE:  pN2gpt-LPg
US-08-651-472-18

Alignment Scores:
Pred. No.:              2.66e-130      Length:          2296
Score:                  1113.00        Matches:         207
Percent Similarity:     100.00%        Conservative:    0
Best Local Similarity:  100.00%        Mismatches:      0
Query Match:            100.00%        Indels:          0
DB:                     3              Gaps:            0

US-09-992-095B-54 (1-207) x US-08-651-472-18 (1-2296)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2199 GAGGGAGTGATGAGAAATAAT 2219

RESULT 6
US-08-358-928-18
; Sequence 18, Application US/08358928
; Patent No. 6265183
;  GENERAL INFORMATION:
;    APPLICANT:  DORNER, Friedrich
;    APPLICANT:  SCHEIFLINGER, Friedrich
;    APPLICANT:  FALKNER, Falko Gunter
;    APPLICANT:  PFLEIDERER, Michael
;    TITLE OF INVENTION:  DIRECT MOLECULAR CLONING OF CHIMERIC
;    TITLE OF INVENTION:  VIRUSES CONTAINING HUMAN IMMUNODEFCIENCY VIRUS TYPE 1
;    TITLE OF INVENTION:  (HIV-1) ANTIGENS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,928
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/914,738
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; FILING DATE: 20-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/750,080
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/166/IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2296 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other nucleic acid;
; DESCRIPTION: Synthetic DNA oligonucleotide
; IMMEDIATE SOURCE:
; CLONE: pN2gpt-LPg
US-08-358-928-18

Alignment Scores:

Pred. No.:	2.66e-130	Length:	2296
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	3	Gaps:	0

US-09-992-095B-54 (1-207) x US-08-358-928-18 (1-2296)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1599 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1658

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1659 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1718

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
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Db       1719 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1778

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       1779 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 1838

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       1839 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 1898

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1899 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 1958

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1959 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2018

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2019 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2078

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2079 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2138

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2139 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2198

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2199 GAGGGAGTGATGAGAAATAAT 2219
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RESULT 7
US-09-192-012-4
; Sequence 4, Application US/09192012A
; Patent No. 6475784
; GENERAL INFORMATION:
; APPLICANT: Papkoff, Jackie
; APPLICANT: Megabios Corporation
; APPLICANT: Pfizer, Inc.
; TITLE OF INVENTION: Inhibition of Angiogenesis by Delivery of Nucleic Acids
; TITLE OF INVENTION: Encoding Anti-Angiogenis Polypeptides
; FILE REFERENCE: 018484-000110US
; CURRENT APPLICATION NUMBER: US/09/192,012A
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 60/066,020
; EARLIER FILING DATE: 1997-11-14
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2430)
; OTHER INFORMATION: human plasminogen
US-09-192-012-4

Alignment Scores:

Pred. No.:	2.91e-130	Length:	2430
Score:	1113.00	Matches:	207
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	4	Gaps:	0

US-09-992-095B-54 (1-207) x US-09-192-012-4 (1-2430)

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Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1810 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1869

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1870 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1929

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1930 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 1989

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
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Db       1990 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2049

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2050 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2109

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2110 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2169

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2170 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2229

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2230 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2289
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Qy       161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2290 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2349

Qy       181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2350 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2409

Qy       201 GluGlyValMetArgAsnAsn 207
            |||||||||||||||||||||
Db      2410 GAGGGAGTGATGAGAAATAAT 2430

RESULT 8
5200340-7
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:7:
;      LENGTH: 2679
5200340-7

Alignment Scores:
Pred. No.:              3.38e-130       Length:         2679
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     6               Gaps:           0

US-09-992-095B-54 (1-207) x 5200340-7 (1-2679)

Qy         1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1831 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1890

Qy        21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1891 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1950

Qy        41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1951 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2010

Qy        61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2011 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2070

Qy        81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2071 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2130

Qy       101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2131 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2190

Qy       121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2191 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2250

Qy       141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
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Db      2251 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2310

Qy       161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2311 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2370

Qy       181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2371 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2430

Qy       201 GluGlyValMetArgAsnAsn 207
             |||||||||||||||||||||
Db      2431 GAGGGAGTGATGAGAAATAAT 2451

RESULT 9
5200340-7
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:7:
;      LENGTH: 2679
5200340-7

Alignment Scores:
Pred. No.:              3.38e-130       Length:         2679
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     6               Gaps:           0

US-09-992-095B-54 (1-207) x 5200340-7 (1-2679)

Qy         1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1831 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1890

Qy        21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1891 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1950

Qy        41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1951 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2010

Qy        61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2011 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2070

Qy        81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2071 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2130

Qy       101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2131 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2190

Qy       121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2191 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2250

Qy       141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2251 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2310

Qy       161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      2311 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2370

Qy       181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db      2371 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2430
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Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2431 GAGGGAGTGATGAGAAATAAT 2451

RESULT 10
US-09-949-016-4112
; Sequence 4112, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4112
;   LENGTH: 2732
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-4112

Alignment Scores:
Pred. No.:                3.49e-130      Length:          2732
Score:                    1113.00        Matches:         207
Percent Similarity:       100.00%        Conservative:    0
Best Local Similarity:    100.00%        Mismatches:      0
Query Match:              100.00%        Indels:          0
DB:                       4              Gaps:            0

US-09-992-095B-54 (1-207) x US-09-949-016-4112 (1-2732)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
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Db       1864 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1923

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1924 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1983

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1984 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2043

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2044 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2103

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
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Db       2104 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2163

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
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Db       2164 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2223

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2224 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2283

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2284 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGGCCT 2343

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2344 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2403

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
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Db       2404 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2463

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2464 GAGGGAGTGATGAGAAATAAT 2484

RESULT 11
US-07-854-603-1
; Sequence 1, Application US/07854603
; Patent No. 5637492
;  GENERAL INFORMATION:
;    APPLICANT:  Dawson, Keith M
;    APPLICANT:  Edwards, Richard M
;    APPLICANT:  Forman, Joan M
;    TITLE OF INVENTION:  Activatable fibrinolytic and
;    TITLE OF INVENTION:  anti-thrombotic proteins
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dr. John J. McDonnel
;      STREET:  Ten South Wacker Drive, Suite 3000
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60606
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/854,603
;      FILING DATE:  19901207
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDonnell, John J
;      REGISTRATION NUMBER:  26,949
;      REFERENCE/DOCKET NUMBER:  92,338
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-715-1000
;      TELEFAX:  312-715-1234
;      TELEX:  910-221-5317
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2753 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..2753
;      OTHER INFORMATION:  /note= "Fig. 2  Plasminogen cDNA
;      OTHER INFORMATION:  sequence"
;    FEATURE:
;      NAME/KEY:  sig_peptide
;      LOCATION:  65..121
;    FEATURE:
;      NAME/KEY:  mat_peptide
;      LOCATION:  122..2494
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  65..2494
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  54..55
;      OTHER INFORMATION:  /note= "BalI site"
;    FEATURE:
;      NAME/KEY:  misc_feature
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;      LOCATION:  2564..2565
;      OTHER INFORMATION:  /note= "SphI site"
US-07-854-603-1

Alignment Scores:
Pred. No.:              3.53e-130       Length:         2753
Score:                  1113.00         Matches:        207
Percent Similarity:     100.00%         Conservative:   0
Best Local Similarity:  100.00%         Mismatches:     0
Query Match:            100.00%         Indels:         0
DB:                     1               Gaps:           0

US-09-992-095B-54 (1-207) x US-07-854-603-1 (1-2753)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1874 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1933

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1934 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1993

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1994 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2053

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2054 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2113

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2114 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCATCACTGGC 2173

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2174 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2233

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2234 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2293

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2294 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2353

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2354 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2413

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2414 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2473

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2474 GAGGGAGTGATGAGAAATAAT 2494

RESULT 12
US-08-643-219-12
; Sequence 12, Application US/08643219
; Patent No. 5801146
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/643,219
;      FILING DATE:  06-MAY-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-643-219-12

Alignment Scores:
Pred. No.:              4.06e-130       Length:         2497
Score:                  1112.00         Matches:        206
Percent Similarity:     100.00%         Conservative:   1
Best Local Similarity:  99.52%          Mismatches:     0
Query Match:            99.91%          Indels:         0
DB:                     1               Gaps:           0

US-09-992-095B-54 (1-207) x US-08-643-219-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||:::||||||
Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGTCACTGGC 2158

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2159 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2218

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2219 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2278

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
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Db       2339 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2398

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2399 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2458

Qy        201 GluGlyValMetArgAsnAsn 207
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Db       2459 GAGGGAGTGATGAGAAATAAT 2479

RESULT 13
US-09-131-995-12
; Sequence 12, Application US/09131995
; Patent No. 5972896
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/131,995
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-131-995-12

Alignment Scores:
Pred. No.:              4.06e-130      Length:          2497
Score:                  1112.00        Matches:         206
Percent Similarity:     100.00%        Conservative:    1
Best Local Similarity:  99.52%         Mismatches:      0
Query Match:            99.91%         Indels:          0
DB:                     2              Gaps:            0

US-09-992-095B-54 (1-207) x US-09-131-995-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||:::||||||
Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGTCACTGGC 2158

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2159 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2218

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2219 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2278

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2339 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2398

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
                    ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2399 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2458

Qy        201 GluGlyValMetArgAsnAsn 207
                    ||||||||||||||||||||
Db       2459 GAGGGAGTGATGAGAAATAAT 2479

RESULT 14
US-08-832-087B-12
; Sequence 12, Application US/08832087B
; Patent No. 5981484
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087B
;      FILING DATE:  03-APR-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
```

```
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-832-087B-12

Alignment Scores:
Pred. No.:              4.06e-130      Length:         2497
Score:                  1112.00        Matches:        206
Percent Similarity:     100.00%        Conservative:   1
Best Local Similarity:  99.52%         Mismatches:     0
Query Match:            99.91%         Indels:         0
DB:                     2              Gaps:           0

US-09-992-095B-54 (1-207) x US-08-832-087B-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||:::||||||||
Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGTCACTGGC 2158

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2159 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2218

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2219 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2278

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2339 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2398

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2399 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2458

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||||
Db       2459 GAGGGAGTGATGAGAAATAAT 2479

RESULT 15
US-08-851-350-12
; Sequence 12, Application US/08851350
; Patent No. 6057122
;  GENERAL INFORMATION:
;    APPLICANT:  Abbott Laboratories
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES,
;    TITLE OF INVENTION:  POLYNUCLEOTIDES ENCODING SAME AND METHODS
;    TITLE OF INVENTION:  FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  38
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/851,350
;      FILING DATE:  05-MAY-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2497 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-851-350-12

Alignment Scores:
Pred. No.:              4.06e-130      Length:         2497
Score:                  1112.00        Matches:        206
Percent Similarity:     100.00%        Conservative:   1
Best Local Similarity:  99.52%         Mismatches:     0
Query Match:            99.91%         Indels:         0
DB:                     3              Gaps:           0

US-09-992-095B-54 (1-207) x US-08-851-350-12 (1-2497)

Qy          1 MetHisPheCysGlyGlyThrLeuIleSerProGluTrpValLeuThrAlaAlaHisCys 20
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1859 ATGCACTTCTGTGGAGGCACCTTGATATCCCCAGAGTGGGTGTTGACTGCTGCCCACTGC 1918

Qy         21 LeuGluLysSerProArgProSerSerTyrLysValIleLeuGlyAlaHisGlnGluVal 40
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1919 TTGGAGAAGTCCCCAAGGCCTTCATCCTACAAGGTCATCCTGGGTGCACACCAAGAAGTG 1978

Qy         41 AsnLeuGluProHisValGlnGluIleGluValSerArgLeuPheLeuGluProThrArg 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1979 AATCTCGAACCGCATGTTCAGGAAATAGAAGTGTCTAGGCTGTTCTTGGAGCCCACACGA 2038

Qy         61 LysAspIleAlaLeuLeuLysLeuSerSerProAlaValIleThrAspLysValIlePro 80
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2039 AAAGATATTGCCTTGCTAAAGCTAAGCAGTCCTGCCGTCATCACTGACAAAGTAATCCCA 2098

Qy         81 AlaCysLeuProSerProAsnTyrValValAlaAspArgThrGluCysPheIleThrGly 100
              ||||||||||||||||||||||||||||||||||||||||||||||||:::||||||||
Db       2099 GCTTGTCTGCCATCCCCAAATTATGTGGTCGCTGACCGGACCGAATGTTTCGTCACTGGC 2158

Qy        101 TrpGlyGluThrGlnGlyThrPheGlyAlaGlyLeuLeuLysGluAlaGlnLeuProVal 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2159 TGGGGAGAAACCCAAGGTACTTTTGGAGCTGGCCTTCTCAAGGAAGCCCAGCTCCCTGTG 2218

Qy        121 IleGluAsnLysValCysAsnArgTyrGluPheLeuAsnGlyArgValGlnSerThrGlu 140
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db       2219 ATTGAGAATAAAGTGTGCAATCGCTATGAGTTTCTGAATGGAAGAGTCCAATCCACCGAA 2278

Qy        141 LeuCysAlaGlyHisLeuAlaGlyGlyThrAspSerCysGlnGlyAspSerGlyGlyPro 160
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2279 CTCTGTGCTGGGCATTTGGCCGGAGGCACTGACAGTTGCCAGGGTGACAGTGGAGGTCCT 2338

Qy        161 LeuValCysPheGluLysAspLysTyrIleLeuGlnGlyValThrSerTrpGlyLeuGly 180
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2339 CTGGTTTGCTTCGAGAAGGACAAATACATTTTACAAGGAGTCACTTCTTGGGGTCTTGGC 2398

Qy        181 CysAlaArgProAsnLysProGlyValTyrValArgValSerArgPheValThrTrpIle 200
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       2399 TGTGCACGCCCCAATAAGCCTGGTGTCTATGTTCGTGTTTCAAGGTTTGTTACTTGGATT 2458

Qy        201 GluGlyValMetArgAsnAsn 207
              |||||||||||||||||||
Db       2459 GAGGGAGTGATGAGAAATAAT 2479
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Search completed: May 8, 2005, 18:05:47
Job time : 194 secs

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OM protein - protein search, using sw model

Run on: May 8, 2005, 17:56:12 ; Search time 80 Seconds
(without alignments)
863.187 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 207
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 1428581 seqs, 333598853 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1428581

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published_Applications_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	207	100.0	207	10	US-09-992-600A-54	Sequence 54, Appl
2	207	100.0	207	10	US-09-924-340-54	Sequence 54, Appl
3	207	100.0	207	10	US-09-992-095B-54	Sequence 54, Appl
4	207	100.0	207	10	US-09-999-570-54	Sequence 54, Appl
5	207	100.0	207	14	US-10-000-489-54	Sequence 54, Appl
6	207	100.0	207	14	US-10-000-986-54	Sequence 54, Appl
7	207	100.0	207	14	US-10-154-678-54	Sequence 54, Appl
8	207	100.0	207	17	US-10-838-854-54	Sequence 54, Appl
9	207	100.0	230	11	US-09-789-210-53	Sequence 53, Appl
10	207	100.0	249	15	US-10-450-976-4	Sequence 4, Appli
11	207	100.0	348	15	US-10-450-976-6	Sequence 6, Appli
12	207	100.0	714	15	US-10-415-012-8	Sequence 8, Appli
13	207	100.0	791	9	US-09-967-386-1	Sequence 1, Appli
14	207	100.0	791	14	US-10-304-287-1	Sequence 1, Appli
15	207	100.0	791	15	US-10-360-101-257	Sequence 257, App
16	207	100.0	791	16	US-10-778-423-1	Sequence 1, Appli
17	207	100.0	791	16	US-10-753-646-1	Sequence 1, Appli
18	207	100.0	791	16	US-10-735-577-1	Sequence 1, Appli
19	207	100.0	810	9	US-09-946-893-2	Sequence 2, Appli
20	207	100.0	810	14	US-10-193-656-2	Sequence 2, Appli
21	207	100.0	810	14	US-10-237-144-1	Sequence 1, Appli
22	207	100.0	810	15	US-10-135-872B-4	Sequence 4, Appli
23	207	100.0	810	15	US-10-450-976-2	Sequence 2, Appli
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25	207	100.0	810	16	US-10-741-601-409	Sequence 409, App
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27	47	22.7	812	9	US-09-788-142-1	Sequence 1, Appli
28	47	22.7	812	9	US-09-761-120-1	Sequence 1, Appli
29	47	22.7	812	9	US-09-873-676-81	Sequence 81, Appl
30	47	22.7	812	9	US-09-335-325-1	Sequence 1, Appli
31	47	22.7	812	10	US-09-825-751A-71	Sequence 71, Appl
32	47	22.7	812	14	US-10-131-241-1	Sequence 1, Appli
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36	42	20.3	221	11	US-09-789-210-54	Sequence 54, Appl
37	42	20.3	1169	9	US-09-870-759-126	Sequence 126, App
38	42	20.3	1169	10	US-09-751-708A-126	Sequence 126, App
39	42	20.3	1169	17	US-10-741-600-1035	Sequence 1035, Ap
40	42	20.3	4548	17	US-10-741-600-1036	Sequence 1036, Ap
41	32	15.5	790	10	US-09-825-751A-70	Sequence 70, Appl
42	14	6.8	118	10	US-09-997-003-39	Sequence 39, Appl
43	14	6.8	241	10	US-09-898-837A-47	Sequence 47, Appl
44	14	6.8	246	9	US-09-264-468B-2	Sequence 2, Appli
45	14	6.8	253	11	US-09-789-210-73	Sequence 73, Appl

ALIGNMENTS

RESULT 1
US-09-992-600A-54
; Sequence 54, Application US/09992600A
; Publication No. US20030027161A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US4.DIV
; CURRENT APPLICATION NUMBER: US/09/992,600A
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-600A-54

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Best Local Similarity 100.0%; Pred. No. 7.7e-194;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

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; Sequence 54, Application US/09924340
; Publication No. US20030027248A1
; GENERAL INFORMATION:
;  APPLICANT: Bejanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/924,340
;  CURRENT FILING DATE:  2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-924-340-54

  Query Match             100.0%;  Score 207;  DB 10;  Length 207;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-194;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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RESULT 3
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; Sequence 54, Application US/09992095B
; Publication No. US20030157485A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US5.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,095B
;  CURRENT FILING DATE:  2003-02-20
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-992-095B-54

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  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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; Sequence 54, Application US/09999570
; Publication No. US20030170628A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: G-091US08DIV
;  CURRENT APPLICATION NUMBER: US/09/999,570
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
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;   LENGTH: 207
;   TYPE: PRT
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US-09-999-570-54
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Best Local Similarity 100.0%; Pred. No. 7.7e-194;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
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Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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US-10-000-489-54
; Sequence 54, Application US/10000489
; Publication No. US20030092011A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-489-54

Query Match 100.0%; Score 207; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 7.7e-194;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
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RESULT 6
US-10-000-986-54
; Sequence 54, Application US/10000986
; Publication No. US20030096247A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US9.DIV
; CURRENT APPLICATION NUMBER: US/10/000,986
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-986-54

Query Match 100.0%; Score 207; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 7.7e-194;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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RESULT 7
US-10-154-678-54
; Sequence 54, Application US/10154678
; Publication No. US20030162186A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 182.US1.REG
; CURRENT APPLICATION NUMBER: US/10/154,678
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574

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;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;    LENGTH: 207
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-10-154-678-54

  Query Match            100.0%;  Score 207;  DB 14;  Length 207;
  Best Local Similarity  100.0%;  Pred. No. 7.7e-194;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207


RESULT 8
US-10-838-854-54
; Sequence 54, Application US/10838854
; Publication No. US20050026182A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US6.DIV
;  CURRENT APPLICATION NUMBER: US/10/838,854
;  CURRENT FILING DATE:  2004-05-03
;  PRIOR APPLICATION NUMBER: US/10/000,489
;  PRIOR FILING DATE: 2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;    LENGTH: 207
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-10-838-854-54

  Query Match            100.0%;  Score 207;  DB 17;  Length 207;
  Best Local Similarity  100.0%;  Pred. No. 7.7e-194;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207


RESULT 9
US-09-789-210-53
; Sequence 53, Application US/09789210
; Publication No. US20040241646A1
;  GENERAL INFORMATION:
;       APPLICANT: COHEN, MAURICE
;                  COLPITTS, TRACEY L.
;                  FRIEDMAN, PAULA N.
;                  GRANADOS, EDWARD N.
;                  KLASS, MICHAEL R.
;                  RUSSELL, JOHN C.
;                  STEWART, KENT D.
;                  STROUPE, STEVEN D.
;       TITLE OF INVENTION: NOVEL SERINE PROTEASE REAGENTS
;                           AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
;                           OF THE PROSTATE
;       NUMBER OF SEQUENCES: 76
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Abbott Laboratories
;            STREET: 100 Abbott Park Road
;            CITY: Abbott Park
;            STATE: IL
;            COUNTRY: USA
;            ZIP: 60064-3500
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/789,210
;            FILING DATE: 20-Feb-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/944,483
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Becker, Cheryl L.
;            REGISTRATION NUMBER: 35,441
;            REFERENCE/DOCKET NUMBER: 6183.US.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 847/935-1729
;            TELEFAX: 847/938-2623
;            TELEX: <Unknown>
;  INFORMATION FOR SEQ ID NO: 53:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 230 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: None
;       SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-789-210-53

  Query Match            100.0%;  Score 207;  DB 11;  Length 230;
  Best Local Similarity  100.0%;  Pred. No. 8.4e-194;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Qy          61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy         121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy         181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
               |||||||||||||||||||||||||||
Db         204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 10
US-10-450-976-4
; Sequence 4, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 249
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-450-976-4

  Query Match             100.0%;  Score 207;  DB 15;  Length 249;
  Best Local Similarity   100.0%;  Pred. No. 9e-194;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         43 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 102

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        103 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 162

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        163 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 222

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        223 CARPNKPGVYVRVSRFVTWIEGVMRNN 249


RESULT 11
US-10-450-976-6
; Sequence 6, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 348
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-450-976-6

  Query Match             100.0%;  Score 207;  DB 15;  Length 348;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-193;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        142 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 201

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        202 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 261

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        262 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 321

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        322 CARPNKPGVYVRVSRFVTWIEGVMRNN 348


RESULT 12
US-10-415-012-8
; Sequence 8, Application US/10415012
; Publication No. US20040082030A1
; GENERAL INFORMATION:
;  APPLICANT: Waisman, David M
;  TITLE OF INVENTION: Anti-angiogenic polypeptides
;  FILE REFERENCE: ME03-002
;  CURRENT APPLICATION NUMBER: US/10/415,012
;  CURRENT FILING DATE:  2003-04-22
;  PRIOR APPLICATION NUMBER: US 60/253725
;  PRIOR FILING DATE: 2000-11-28
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 714
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-415-012-8

  Query Match             100.0%;  Score 207;  DB 15;  Length 714;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-193;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        508 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 567

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        568 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 627
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Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        628 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 687

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        688 CARPNKPGVYVRVSRFVTWIEGVMRNN 714


RESULT 13
US-09-967-386-1
; Sequence 1, Application US/09967386
; Patent No. US20020159992A1
; GENERAL INFORMATION:
;  APPLICANT: Abbott Laboratories
;  APPLICANT:  Henkin, Jack
;  APPLICANT:  Davidson, Donald J.
;  TITLE OF INVENTION: ANTIANGIOGENIC POLYPEPTIDES AND METHODS
;  TITLE OF INVENTION:  FOR INHIBITING ANGIOGENESIS
;  FILE REFERENCE: 6738.US.02
;  CURRENT APPLICATION NUMBER: US/09/967,386
;  CURRENT FILING DATE:  2001-09-26
;  PRIOR APPLICATION NUMBER: US 60/236,550
;  PRIOR FILING DATE: 2000-09-29
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-967-386-1

  Query Match            100.0%;  Score 207;  DB 9;  Length 791;
  Best Local Similarity  100.0%;  Pred. No. 2.5e-193;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 14
US-10-304-287-1
; Sequence 1, Application US/10304287
; Publication No. US20030083234A1
; GENERAL INFORMATION:
;  APPLICANT: Waisman, David M.
;  APPLICANT:  Kwon, Mijung
;  TITLE OF INVENTION: Anti-angiogenesis methods, compositions and uses therefor
;  FILE REFERENCE: ME02-001
;  CURRENT APPLICATION NUMBER: US/10/304,287
;  CURRENT FILING DATE:  2002-11-26
;  PRIOR APPLICATION NUMBER: US 60/333,866
;  PRIOR FILING DATE: 2001-11-28
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: Microsoft Word
; SEQ ID NO 1
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: mammalian
US-10-304-287-1

  Query Match            100.0%;  Score 207;  DB 14;  Length 791;
  Best Local Similarity  100.0%;  Pred. No. 2.5e-193;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 15
US-10-360-101-257
; Sequence 257, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
;  APPLICANT: Moll, Gert  N.
;  APPLICANT:  Leenhouts, Cornelis J.
;  TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
;  FILE REFERENCE: 2183-5673
;  CURRENT APPLICATION NUMBER: US/10/360,101
;  CURRENT FILING DATE:  2003-02-07
;  PRIOR APPLICATION NUMBER: EP 02077060.8
;  PRIOR FILING DATE: 2002-05-24
;  NUMBER OF SEQ ID NOS: 309
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 257
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequence of plasminogen
US-10-360-101-257

  Query Match            100.0%;  Score 207;  DB 15;  Length 791;
  Best Local Similarity  100.0%;  Pred. No. 2.5e-193;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


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Job time : 81 secs
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OM protein - protein search, using sw model

Run on: May 8, 2005, 17:27:07 ; Search time 18 Seconds
(without alignments)
858.464 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 207
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 513545 seqs, 74649064 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	207	100.0	207	4	US-10-000-489-54	Sequence 54, Appl
2	207	100.0	230	1	US-08-456-840-47	Sequence 47, Appl
3	207	100.0	230	1	US-08-266-407A-47	Sequence 47, Appl
4	207	100.0	230	2	US-08-892-544-47	Sequence 47, Appl
5	207	100.0	230	2	US-08-766-982-12	Sequence 12, Appl
6	207	100.0	230	3	US-08-944-483-53	Sequence 53, Appl
7	207	100.0	230	3	US-09-296-219-12	Sequence 12, Appl
8	207	100.0	546	6	5200340-6	Patent No. 5200340
9	207	100.0	546	6	5200340-6	Patent No. 5200340
10	207	100.0	713	4	US-09-949-016-9983	Sequence 9983, Ap
11	207	100.0	790	1	US-08-469-486-54	Sequence 54, Appl
12	207	100.0	790	2	US-08-469-658-54	Sequence 54, Appl
13	207	100.0	791	2	US-09-131-995-1	Sequence 1, Appli
14	207	100.0	791	2	US-08-832-087B-1	Sequence 1, Appli
15	207	100.0	791	3	US-09-132-154-1	Sequence 1, Appli
16	207	100.0	791	4	US-08-991-761A-6	Sequence 6, Appli
17	207	100.0	791	4	US-08-924-287A-1	Sequence 1, Appli
18	207	100.0	810	1	US-07-854-603-2	Sequence 2, Appli
19	207	100.0	810	1	US-08-147-000B-29	Sequence 29, Appl
20	207	100.0	810	3	US-09-086-514-1	Sequence 1, Appli
21	207	100.0	810	4	US-09-192-012-5	Sequence 5, Appli
22	207	100.0	810	4	US-09-403-736-1	Sequence 1, Appli
23	207	100.0	810	4	US-09-701-265-1	Sequence 1, Appli
24	207	100.0	810	6	5200340-8	Patent No. 5200340
25	207	100.0	810	6	5200340-8	Patent No. 5200340
26	168	81.2	814	1	US-08-750-711-1	Sequence 1, Appli
27	161	77.8	230	1	US-08-379-621-2	Sequence 2, Appli
28	161	77.8	230	1	US-08-147-000B-2	Sequence 2, Appli
29	161	77.8	230	2	US-08-889-078-2	Sequence 2, Appli
30	146	70.5	791	1	US-08-643-219-1	Sequence 1, Appli
31	146	70.5	791	3	US-08-851-350-1	Sequence 1, Appli
32	69	33.3	810	4	US-08-991-761A-11	Sequence 11, Appl
33	57	27.5	333	4	US-08-991-761A-8	Sequence 8, Appli
34	47	22.7	812	1	US-08-248-629A-1	Sequence 1, Appli
35	47	22.7	812	1	US-08-451-932-1	Sequence 1, Appli
36	47	22.7	812	1	US-08-452-260-1	Sequence 1, Appli
37	47	22.7	812	1	US-08-326-785-1	Sequence 1, Appli
38	47	22.7	812	2	US-08-612-788-1	Sequence 1, Appli
39	47	22.7	812	2	US-08-605-598B-1	Sequence 1, Appli
40	47	22.7	812	2	US-08-429-743-1	Sequence 1, Appli
41	47	22.7	812	2	US-08-866-735-1	Sequence 1, Appli
42	47	22.7	812	3	US-09-066-028-1	Sequence 1, Appli
43	47	22.7	812	4	US-09-192-012-3	Sequence 3, Appli
44	47	22.7	812	4	US-09-192-012-9	Sequence 9, Appli
45	47	22.7	812	4	US-09-335-325-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-10-000-489-54
; Sequence 54, Application US/10000489
; Patent No. 6794363
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-489-54

Query Match 100.0%; Score 207; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 6.6e-210;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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RESULT 2
US-08-456-840-47
; Sequence 47, Application US/08456840
; Patent No. 5597908
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5597908el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,840
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/266,407
;      FILING DATE:  27-JUN-1994
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-456-840-47

  Query Match             100.0%;  Score 207;  DB 1;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 3
US-08-266-407A-47
; Sequence 47, Application US/08266407A
; Patent No. 5786156
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5786156el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/266,407A
;      FILING DATE:  27-JUN-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-266-407A-47

  Query Match             100.0%;  Score 207;  DB 1;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
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Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 4
US-08-892-544-47
; Sequence 47, Application US/08892544
; Patent No. 5874544
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
```

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;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5874544el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/892,544
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/266,407
;      FILING DATE:  27-JUN-1994
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-892-544-47

  Query Match             100.0%;  Score 207;  DB 2;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 5
US-08-766-982-12
; Sequence 12, Application US/08766982
; Patent No. 5948892
; GENERAL INFORMATION:
;    APPLICANT:  Wahl, Robert C.
;    TITLE OF INVENTION:  Analogs of Macrophage Stimulating
;    TITLE OF INVENTION:  Protein
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/766,982
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winter, Robert B.
;      REFERENCE/DOCKET NUMBER:  A-441
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-766-982-12

  Query Match             100.0%;  Score 207;  DB 2;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 6
US-08-944-483-53
; Sequence 53, Application US/08944483
; Patent No. 6232456
; GENERAL INFORMATION:
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STEWART, KENT D.
;    APPLICANT:  STROUPE, STEVEN D.
;    TITLE OF INVENTION:  NOVEL SERINE PROTEASE REAGENTS
;    TITLE OF INVENTION:  AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
;    TITLE OF INVENTION:  OF THE PROSTATE
;    NUMBER OF SEQUENCES:  76
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/944,483
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L.
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  6183.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  53:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6232456e
US-08-944-483-53

  Query Match             100.0%;  Score 207;  DB 3;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
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Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 7
US-09-296-219-12
; Sequence 12, Application US/09296219
; Patent No. 6248560
;  GENERAL INFORMATION:
;    APPLICANT:  Wahl, Robert C.
;    TITLE OF INVENTION:  Analogs of Macrophage Stimulating
;    TITLE OF INVENTION:  Protein
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/296,219
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winter, Robert B.
;      REFERENCE/DOCKET NUMBER:  A-441
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-296-219-12

  Query Match             100.0%;  Score 207;  DB 3;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 7.3e-210;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 8
5200340-6
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:6:
;      LENGTH: 546
5200340-6

  Query Match             100.0%;  Score 207;  DB 6;  Length 546;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        340 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 399

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        400 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 459

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        460 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 519

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        520 CARPNKPGVYVRVSRFVTWIEGVMRNN 546


RESULT 9
5200340-6
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;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:6:
;      LENGTH: 546
5200340-6

  Query Match             100.0%;  Score 207;  DB 6;  Length 546;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        340 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 399

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        400 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 459

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        460 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 519

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        520 CARPNKPGVYVRVSRFVTWIEGVMRNN 546


RESULT 10
US-09-949-016-9983
; Sequence 9983, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9983
;   LENGTH: 713
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-9983

  Query Match             100.0%;  Score 207;  DB 4;  Length 713;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        507 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 566

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        567 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 626

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        627 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 686

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        687 CARPNKPGVYVRVSRFVTWIEGVMRNN 713


RESULT 11
US-08-469-486-54
; Sequence 54, Application US/08469486
; Patent No. 5739281
; GENERAL INFORMATION:
;    APPLICANT:  Thoegersen, Hans Christian
;    APPLICANT:  Holtet, Thor Las
;    APPLICANT:  Etzerodt, Michael
;    TITLE OF INVENTION:  Improved method for the refolding of
;    TITLE OF INVENTION:  proteins
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,486
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/192,060
;      FILING DATE:  February 4, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06363/002001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 542 5070
;      TELEFAX:  617 542 8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  54:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  790 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-469-486-54

  Query Match             100.0%;  Score 207;  DB 1;  Length 790;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        584 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 643

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        644 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 703

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        704 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 763

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        764 CARPNKPGVYVRVSRFVTWIEGVMRNN 790


RESULT 12
US-08-469-658-54
; Sequence 54, Application US/08469658
; Patent No. 5917018
;  GENERAL INFORMATION:
;    APPLICANT:  Th egersen, Hans Christian
;    APPLICANT:  Holtet, Thor Las
;    APPLICANT:  Etzerodt, Michael
;    TITLE OF INVENTION:  IMPROVED METHOD FOR THE REFOLDING OF
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,658
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/192,060
;      FILING DATE:  February 4, 1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06363/002002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 542 5070
;      TELEFAX:  617 542 8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  54:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  790 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-469-658-54

  Query Match             100.0%;  Score 207;  DB 2;  Length 790;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        584 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 643

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        644 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 703

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        704 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 763

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        764 CARPNKPGVYVRVSRFVTWIEGVMRNN 790


RESULT 13
US-09-131-995-1
; Sequence 1, Application US/09131995
; Patent No. 5972896
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/131,995
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-09-131-995-1

  Query Match             100.0%;  Score 207;  DB 2;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 14
US-08-832-087B-1
; Sequence 1, Application US/08832087B
; Patent No. 5981484
;  GENERAL INFORMATION:
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;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087B
;      FILING DATE:  03-APR-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-08-832-087B-1

  Query Match           100.0%;  Score 207;  DB 2;  Length 791;
  Best Local Similarity  100.0%;  Pred. No. 2.3e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 15
US-09-132-154-1
; Sequence 1, Application US/09132154
; Patent No. 6251867
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/132,154
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-09-132-154-1

  Query Match           100.0%;  Score 207;  DB 3;  Length 791;
  Best Local Similarity  100.0%;  Pred. No. 2.3e-209;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


Search completed: May  8, 2005, 17:56:39
Job time : 19 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 8, 2005, 17:24:27 ; Search time 38 Seconds
(without alignments)
1817.236 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 1113
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1428581 seqs, 333598853 residues

Total number of hits satisfying chosen parameters: 1428581

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1113	100.0	207	10	US-09-992-600A-54	Sequence 54, Appl
2	1113	100.0	207	10	US-09-924-340-54	Sequence 54, Appl
3	1113	100.0	207	10	US-09-992-095B-54	Sequence 54, Appl
4	1113	100.0	207	10	US-09-999-570-54	Sequence 54, Appl
5	1113	100.0	207	14	US-10-000-489-54	Sequence 54, Appl
6	1113	100.0	207	14	US-10-000-986-54	Sequence 54, Appl
7	1113	100.0	207	14	US-10-154-678-54	Sequence 54, Appl
8	1113	100.0	207	17	US-10-838-854-54	Sequence 54, Appl
9	1113	100.0	230	11	US-09-789-210-53	Sequence 53, Appl
10	1113	100.0	249	15	US-10-450-976-4	Sequence 4, Appli
11	1113	100.0	348	15	US-10-450-976-6	Sequence 6, Appli
12	1113	100.0	714	15	US-10-415-012-8	Sequence 8, Appli
13	1113	100.0	791	9	US-09-967-386-1	Sequence 1, Appli
14	1113	100.0	791	14	US-10-304-287-1	Sequence 1, Appli
15	1113	100.0	791	15	US-10-360-101-257	Sequence 257, App
16	1113	100.0	791	16	US-10-778-423-1	Sequence 1, Appli
17	1113	100.0	791	16	US-10-753-646-1	Sequence 1, Appli
18	1113	100.0	791	16	US-10-735-577-1	Sequence 1, Appli
19	1113	100.0	810	9	US-09-946-893-2	Sequence 2, Appli
20	1113	100.0	810	14	US-10-193-656-2	Sequence 2, Appli
21	1113	100.0	810	14	US-10-237-144-1	Sequence 1, Appli
22	1113	100.0	810	15	US-10-135-872B-4	Sequence 4, Appli
23	1113	100.0	810	15	US-10-450-976-2	Sequence 2, Appli
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25	1113	100.0	810	16	US-10-741-601-409	Sequence 409, App
26	1113	100.0	810	16	US-10-872-198-140	Sequence 140, App
27	946	85.0	790	10	US-09-825-751A-70	Sequence 70, Appl
28	933.5	83.9	221	11	US-09-789-210-54	Sequence 54, Appl
29	933.5	83.9	1169	9	US-09-870-759-126	Sequence 126, App
30	933.5	83.9	1169	10	US-09-751-708A-126	Sequence 126, App
31	933.5	83.9	1169	17	US-10-741-600-1035	Sequence 1035, Ap
32	933.5	83.9	4548	17	US-10-741-600-1036	Sequence 1036, Ap
33	925	83.1	812	9	US-09-788-142-1	Sequence 1, Appli
34	925	83.1	812	9	US-09-761-120-1	Sequence 1, Appli
35	925	83.1	812	9	US-09-873-676-81	Sequence 81, Appl
36	925	83.1	812	9	US-09-335-325-1	Sequence 1, Appli
37	925	83.1	812	14	US-10-131-241-1	Sequence 1, Appli
38	925	83.1	812	14	US-10-127-066-1	Sequence 1, Appli
39	925	83.1	812	15	US-10-402-364-1	Sequence 1, Appli
40	925	83.1	812	15	US-10-401-108-1	Sequence 1, Appli
41	878	78.9	812	10	US-09-825-751A-71	Sequence 71, Appl
42	496	44.6	229	15	US-10-051-874-101	Sequence 101, App
43	496	44.6	230	10	US-09-981-151A-87	Sequence 87, Appl
44	496	44.6	230	10	US-09-981-151A-96	Sequence 96, Appl
45	496	44.6	230	14	US-10-032-189-66	Sequence 66, Appl

ALIGNMENTS

RESULT 1
US-09-992-600A-54
; Sequence 54, Application US/09992600A
; Publication No. US20030027161A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US4.DIV
; CURRENT APPLICATION NUMBER: US/09/992,600A
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-992-600A-54

Query Match 100.0%; Score 1113; DB 10; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.8e-112;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-924-340-54
; Sequence 54, Application US/09924340
; Publication No. US20030027248A1
; GENERAL INFORMATION:
;  APPLICANT: Bejanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US2.REG
;  CURRENT APPLICATION NUMBER: US/09/924,340
;  CURRENT FILING DATE:  2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-924-340-54

  Query Match             100.0%;  Score 1113;  DB 10;  Length 207;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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US-09-992-095B-54
; Sequence 54, Application US/09992095B
; Publication No. US20030157485A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US5.DIV
;  CURRENT APPLICATION NUMBER: US/09/992,095B
;  CURRENT FILING DATE:  2003-02-20
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-992-095B-54

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US-09-999-570-54
; Sequence 54, Application US/09999570
; Publication No. US20030170628A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: G-091US08DIV
;  CURRENT APPLICATION NUMBER: US/09/999,570
;  CURRENT FILING DATE:  2001-06-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-999-570-54
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Query Match 100.0%; Score 1113; DB 10; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.8e-112;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

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Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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RESULT 5
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; Sequence 54, Application US/10000489
; Publication No. US20030092011A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-489-54

Query Match 100.0%; Score 1113; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.8e-112;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 6
US-10-000-986-54
; Sequence 54, Application US/10000986
; Publication No. US20030096247A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US9.DIV
; CURRENT APPLICATION NUMBER: US/10/000,986
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-986-54

Query Match 100.0%; Score 1113; DB 14; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.8e-112;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

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Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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RESULT 7
US-10-154-678-54
; Sequence 54, Application US/10154678
; Publication No. US20030162186A1
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 182.US1.REG
; CURRENT APPLICATION NUMBER: US/10/154,678
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574

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;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-154-678-54

  Query Match            100.0%;  Score 1113;  DB 14;  Length 207;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207


RESULT 8
US-10-838-854-54
; Sequence 54, Application US/10838854
; Publication No. US20050026182A1
; GENERAL INFORMATION:
;  APPLICANT: Benjanin, Stephane
;  APPLICANT:  Tanaka, Hiroaki
;  TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
;  FILE REFERENCE: 91.US6.DIV
;  CURRENT APPLICATION NUMBER: US/10/838,854
;  CURRENT FILING DATE:  2004-05-03
;  PRIOR APPLICATION NUMBER: US/10/000,489
;  PRIOR FILING DATE: 2001-11-14
;  PRIOR APPLICATION NUMBER: US 09/924,340
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: PCT/IB01/01715
;  PRIOR FILING DATE: 2001-08-06
;  PRIOR APPLICATION NUMBER: US 60/305,456
;  PRIOR FILING DATE: 2001-07-13
;  PRIOR APPLICATION NUMBER: US 60/302,277
;  PRIOR FILING DATE: 2001-06-29
;  PRIOR APPLICATION NUMBER: US 60/298,698
;  PRIOR FILING DATE: 2001-06-15
;  PRIOR APPLICATION NUMBER: US 60/293,574
;  PRIOR FILING DATE: 2001-05-25
;  NUMBER OF SEQ ID NOS: 112
;  SOFTWARE: JPatent
; SEQ ID NO 54
;   LENGTH: 207
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-838-854-54

  Query Match            100.0%;  Score 1113;  DB 17;  Length 207;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207


RESULT 9
US-09-789-210-53
; Sequence 53, Application US/09789210
; Publication No. US20040241646A1
;  GENERAL INFORMATION:
;       APPLICANT: COHEN, MAURICE
;                  COLPITTS, TRACEY L.
;                  FRIEDMAN, PAULA N.
;                  GRANADOS, EDWARD N.
;                  KLASS, MICHAEL R.
;                  RUSSELL, JOHN C.
;                  STEWART, KENT D.
;                  STROUPE, STEVEN D.
;       TITLE OF INVENTION: NOVEL SERINE PROTEASE REAGENTS
;                           AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
;                           OF THE PROSTATE
;       NUMBER OF SEQUENCES: 76
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Abbott Laboratories
;            STREET: 100 Abbott Park Road
;            CITY: Abbott Park
;            STATE: IL
;            COUNTRY: USA
;            ZIP: 60064-3500
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/789,210
;            FILING DATE: 20-Feb-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/944,483
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Becker, Cheryl L.
;            REGISTRATION NUMBER: 35,441
;            REFERENCE/DOCKET NUMBER: 6183.US.01
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 847/935-1729
;            TELEFAX: 847/938-2623
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 53:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 230 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: None
;       SEQUENCE DESCRIPTION: SEQ ID NO: 53:
US-09-789-210-53

  Query Match            100.0%;  Score 1113;  DB 11;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Qy          61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy         121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy         181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
               |||||||||||||||||||||||||||
Db         204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 10
US-10-450-976-4
; Sequence 4, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 249
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-450-976-4

  Query Match             100.0%;  Score 1113;  DB 15;  Length 249;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          43 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 102

Qy          61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         103 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 162

Qy         121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         163 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 222

Qy         181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
               |||||||||||||||||||||||||||
Db         223 CARPNKPGVYVRVSRFVTWIEGVMRNN 249


RESULT 11
US-10-450-976-6
; Sequence 6, Application US/10450976
; Publication No. US20040071676A1
; GENERAL INFORMATION:
;  APPLICANT: COLLEN, Desire Jose
;  APPLICANT:  NAGAI, Nubuo
;  APPLICANT:  LAROCHE, Yves
;  TITLE OF INVENTION: A Yeast Expression Vector and a Method
;  TITLE OF INVENTION:  of Making a Recombinant Protein by Expression in a Yeast
;  TITLE OF INVENTION:  Cell
;  FILE REFERENCE: 50304/005001
;  CURRENT APPLICATION NUMBER: US/10/450,976
;  CURRENT FILING DATE:  2003-06-18
;  PRIOR APPLICATION NUMBER: PCT/BE01/00217
;  PRIOR FILING DATE: 2001-12-20
;  PRIOR APPLICATION NUMBER: GB 0116702
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0116690
;  PRIOR FILING DATE: 2001-07-09
;  PRIOR APPLICATION NUMBER: GB 0031196
;  PRIOR FILING DATE: 2000-12-21
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 348
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-450-976-6

  Query Match             100.0%;  Score 1113;  DB 15;  Length 348;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         142 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 201

Qy          61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         202 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 261

Qy         121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         262 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 321

Qy         181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
               |||||||||||||||||||||||||||
Db         322 CARPNKPGVYVRVSRFVTWIEGVMRNN 348


RESULT 12
US-10-415-012-8
; Sequence 8, Application US/10415012
; Publication No. US20040082030A1
; GENERAL INFORMATION:
;  APPLICANT: Waisman, David M
;  TITLE OF INVENTION: Anti-angiogenic polypeptides
;  FILE REFERENCE: ME03-002
;  CURRENT APPLICATION NUMBER: US/10/415,012
;  CURRENT FILING DATE:  2003-04-22
;  PRIOR APPLICATION NUMBER: US 60/253725
;  PRIOR FILING DATE: 2000-11-28
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 714
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-415-012-8

  Query Match             100.0%;  Score 1113;  DB 15;  Length 714;
  Best Local Similarity   100.0%;  Pred. No. 9.5e-112;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy           1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         508 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 567

Qy          61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         568 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 627
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Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        628 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 687

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        688 CARPNKPGVYVRVSRFVTWIEGVMRNN 714


RESULT 13
US-09-967-386-1
; Sequence 1, Application US/09967386
; Patent No. US20020159992A1
; GENERAL INFORMATION:
;  APPLICANT: Abbott Laboratories
;  APPLICANT:  Henkin, Jack
;  APPLICANT:  Davidson, Donald J.
;  TITLE OF INVENTION: ANTIANGIOGENIC POLYPEPTIDES AND METHODS
;  TITLE OF INVENTION:  FOR INHIBITING ANGIOGENESIS
;  FILE REFERENCE: 6738.US.02
;  CURRENT APPLICATION NUMBER: US/09/967,386
;  CURRENT FILING DATE:  2001-09-26
;  PRIOR APPLICATION NUMBER: US 60/236,550
;  PRIOR FILING DATE: 2000-09-29
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-967-386-1

  Query Match             100.0%;  Score 1113;  DB 9;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-111;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 14
US-10-304-287-1
; Sequence 1, Application US/10304287
; Publication No. US20030083234A1
; GENERAL INFORMATION:
;  APPLICANT: Waisman, David M.
;  APPLICANT:  Kwon, Mijung
;  TITLE OF INVENTION: Anti-angiogenesis methods, compositions and uses therefor
;  FILE REFERENCE: ME02-001
;  CURRENT APPLICATION NUMBER: US/10/304,287
;  CURRENT FILING DATE:  2002-11-26
;  PRIOR APPLICATION NUMBER: US 60/333,866
;  PRIOR FILING DATE: 2001-11-28
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: Microsoft Word
; SEQ ID NO 1
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: mammalian
US-10-304-287-1

  Query Match             100.0%;  Score 1113;  DB 14;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-111;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 15
US-10-360-101-257
; Sequence 257, Application US/10360101
; Publication No. US20040009550A1
; GENERAL INFORMATION:
;  APPLICANT: Moll, Gert  N.
;  APPLICANT:  Leenhouts, Cornelis J.
;  TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
;  FILE REFERENCE: 2183-5673
;  CURRENT APPLICATION NUMBER: US/10/360,101
;  CURRENT FILING DATE:  2003-02-07
;  PRIOR APPLICATION NUMBER: EP 02077060.8
;  PRIOR FILING DATE: 2002-05-24
;  NUMBER OF SEQ ID NOS: 309
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 257
;   LENGTH: 791
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequence of plasminogen
US-10-360-101-257

  Query Match             100.0%;  Score 1113;  DB 15;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-111;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


Search completed: May  8, 2005, 17:56:15
Job time : 39 secs
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OM protein - protein search, using sw model

Run on: May 8, 2005, 15:12:47 ; Search time 27 Seconds
(without alignments)
572.309 Million cell updates/sec

Title: US-09-992-095B-54
Perfect score: 1113
Sequence: 1 MHFCGGTLISPEWVLTAAHC.....GVYVRVSRFVTWIEGVMRNN 207

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1113	100.0	207	4	US-10-000-489-54	Sequence 54, Appl
2	1113	100.0	230	1	US-08-456-840-47	Sequence 47, Appl
3	1113	100.0	230	1	US-08-266-407A-47	Sequence 47, Appl
4	1113	100.0	230	2	US-08-892-544-47	Sequence 47, Appl
5	1113	100.0	230	2	US-08-766-982-12	Sequence 12, Appl
6	1113	100.0	230	3	US-08-944-483-53	Sequence 53, Appl
7	1113	100.0	230	3	US-09-296-219-12	Sequence 12, Appl
8	1113	100.0	546	6	5200340-6	Patent No. 5200340
9	1113	100.0	546	6	5200340-6	Patent No. 5200340
10	1113	100.0	713	4	US-09-949-016-9983	Sequence 9983, Ap
11	1113	100.0	790	1	US-08-469-486-54	Sequence 54, Appl
12	1113	100.0	790	2	US-08-469-658-54	Sequence 54, Appl
13	1113	100.0	791	2	US-09-131-995-1	Sequence 1, Appli
14	1113	100.0	791	2	US-08-832-087B-1	Sequence 1, Appli
15	1113	100.0	791	3	US-09-132-154-1	Sequence 1, Appli
16	1113	100.0	791	4	US-08-991-761A-6	Sequence 6, Appli
17	1113	100.0	791	4	US-08-924-287A-1	Sequence 1, Appli
18	1113	100.0	810	1	US-07-854-603-2	Sequence 2, Appli
19	1113	100.0	810	1	US-08-147-000B-29	Sequence 29, Appl
20	1113	100.0	810	3	US-09-086-514-1	Sequence 1, Appli
21	1113	100.0	810	4	US-09-192-012-5	Sequence 5, Appli
22	1113	100.0	810	4	US-09-403-736-1	Sequence 1, Appli
23	1113	100.0	810	4	US-09-701-265-1	Sequence 1, Appli
24	1113	100.0	810	6	5200340-8	Patent No. 5200340
25	1113	100.0	810	6	5200340-8	Patent No. 5200340
26	1108	99.6	791	1	US-08-643-219-1	Sequence 1, Appli
27	1108	99.6	791	3	US-08-851-350-1	Sequence 1, Appli
28	1106	99.4	230	1	US-08-379-621-2	Sequence 2, Appli
29	1106	99.4	230	1	US-08-147-000B-2	Sequence 2, Appli
30	1106	99.4	230	2	US-08-889-078-2	Sequence 2, Appli
31	1105	99.3	814	1	US-08-750-711-1	Sequence 1, Appli
32	1047	94.1	810	4	US-08-991-761A-11	Sequence 11, Appl
33	1018	91.5	333	4	US-08-991-761A-8	Sequence 8, Appli
34	946	85.0	790	4	US-08-991-761A-13	Sequence 13, Appl
35	933.5	83.9	221	3	US-08-944-483-54	Sequence 54, Appl
36	933.5	83.9	222	1	US-08-456-840-46	Sequence 46, Appl
37	933.5	83.9	222	1	US-08-266-407A-46	Sequence 46, Appl
38	933.5	83.9	222	2	US-08-892-544-46	Sequence 46, Appl
39	925	83.1	812	1	US-08-248-629A-1	Sequence 1, Appli
40	925	83.1	812	1	US-08-451-932-1	Sequence 1, Appli
41	925	83.1	812	1	US-08-452-260-1	Sequence 1, Appli
42	925	83.1	812	1	US-08-326-785-1	Sequence 1, Appli
43	925	83.1	812	2	US-08-612-788-1	Sequence 1, Appli
44	925	83.1	812	2	US-08-605-598B-1	Sequence 1, Appli
45	925	83.1	812	2	US-08-429-743-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-10-000-489-54
; Sequence 54, Application US/10000489
; Patent No. 6794363
; GENERAL INFORMATION:
; APPLICANT: Benjanin, Stephane
; APPLICANT: Tanaka, Hiroaki
; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF
; FILE REFERENCE: 91.US6.DIV
; CURRENT APPLICATION NUMBER: US/10/000,489
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 09/924,340
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: PCT/IB01/01715
; PRIOR FILING DATE: 2001-08-06
; PRIOR APPLICATION NUMBER: US 60/305,456
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/302,277
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: US 60/298,698
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: US 60/293,574
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: JPatent
; SEQ ID NO 54
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-000-489-54

Query Match 100.0%; Score 1113; DB 4; Length 207;
Best Local Similarity 100.0%; Pred. No. 1.3e-115;
Matches 207; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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RESULT 2
US-08-456-840-47
; Sequence 47, Application US/08456840
; Patent No. 5597908
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5597908el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,840
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/266,407
;      FILING DATE:  27-JUN-1994
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-456-840-47

  Query Match             100.0%;  Score 1113;  DB 1;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 3
US-08-266-407A-47
; Sequence 47, Application US/08266407A
; Patent No. 5786156
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5786156el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/266,407A
;      FILING DATE:  27-JUN-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-266-407A-47

  Query Match             100.0%;  Score 1113;  DB 1;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 4
US-08-892-544-47
; Sequence 47, Application US/08892544
; Patent No. 5874544
;  GENERAL INFORMATION:
;    APPLICANT:  Taddei-Peters, W. C.
```

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;    APPLICANT:  Butler, Sandra M.
;    TITLE OF INVENTION:  Immunoreactive Peptides of Apo(a)
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Akzo No. 5874544el
;      STREET:  1330 Piccard Drive
;      CITY:  Rockville
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/892,544
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/266,407
;      FILING DATE:  27-JUN-1994
;      APPLICATION NUMBER:  US 08/172,461
;      FILING DATE:  21-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gormley, Mary E.
;      REGISTRATION NUMBER:  34,409
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-258-5200
;      TELEFAX:  301-977-0847
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  C-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-892-544-47

  Query Match             100.0%;  Score 1113;  DB 2;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 5
US-08-766-982-12
; Sequence 12, Application US/08766982
; Patent No. 5948892
;  GENERAL INFORMATION:
;    APPLICANT:  Wahl, Robert C.
;    TITLE OF INVENTION:  Analogs of Macrophage Stimulating
;    TITLE OF INVENTION:  Protein
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/766,982
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winter, Robert B.
;      REFERENCE/DOCKET NUMBER:  A-441
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-766-982-12

  Query Match             100.0%;  Score 1113;  DB 2;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 6
US-08-944-483-53
; Sequence 53, Application US/08944483
; Patent No. 6232456
;  GENERAL INFORMATION:
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STEWART, KENT D.
;    APPLICANT:  STROUPE, STEVEN D.
;    TITLE OF INVENTION:  NOVEL SERINE PROTEASE REAGENTS
;    TITLE OF INVENTION:  AND METHODS USEFUL FOR DETECTING AND TREATING DISEASES
;    TITLE OF INVENTION:  OF THE PROSTATE
;    NUMBER OF SEQUENCES:  76
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/944,483
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L.
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  6183.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  53:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  No. 6232456e
US-08-944-483-53

  Query Match             100.0%;  Score 1113;  DB 3;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
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Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 7
US-09-296-219-12
; Sequence 12, Application US/09296219
; Patent No. 6248560
;  GENERAL INFORMATION:
;    APPLICANT:  Wahl, Robert C.
;    TITLE OF INVENTION:  Analogs of Macrophage Stimulating
;    TITLE OF INVENTION:  Protein
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/296,219
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winter, Robert B.
;      REFERENCE/DOCKET NUMBER:  A-441
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  230 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-296-219-12

  Query Match             100.0%;  Score 1113;  DB 3;  Length 230;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db         24 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 83

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         84 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 143

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        144 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 203

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        204 CARPNKPGVYVRVSRFVTWIEGVMRNN 230


RESULT 8
5200340-6
;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:6:
;      LENGTH: 546
5200340-6

  Query Match             100.0%;  Score 1113;  DB 6;  Length 546;
  Best Local Similarity   100.0%;  Pred. No. 4.9e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        340 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 399

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        400 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 459

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        460 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 519

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              |||||||||||||||||||||||||||
Db        520 CARPNKPGVYVRVSRFVTWIEGVMRNN 546


RESULT 9
5200340-6
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;Patent No. 5200340
;    APPLICANT: FOSTER, DONALD C.;MULVIHILL, EILEEN R.;O'HARA,
;PATRICK J.;PINGEL, KURT;YOSHITAKE, SHINJI
;    TITLE OF INVENTION: THROMBIN-ACTIVATED TISSUE PLASMINOGEN
;ACTIVATORS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/53,412
;      FILING DATE: 22-MAY-1987
;SEQ ID NO:6:
;      LENGTH: 546
5200340-6

  Query Match             100.0%;  Score 1113;  DB 6;  Length 546;
  Best Local Similarity   100.0%;  Pred. No. 4.9e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        400 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 459

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        460 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 519

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        520 CARPNKPGVYVRVSRFVTWIEGVMRNN 546


RESULT 10
US-09-949-016-9983
; Sequence 9983, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9983
;   LENGTH: 713
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-9983

  Query Match             100.0%;  Score 1113;  DB 4;  Length 713;
  Best Local Similarity   100.0%;  Pred. No. 7e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        507 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 566

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        567 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 626

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        627 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 686

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||
Db        687 CARPNKPGVYVRVSRFVTWIEGVMRNN 713


RESULT 11
US-08-469-486-54
; Sequence 54, Application US/08469486
; Patent No. 5739281
;  GENERAL INFORMATION:
;    APPLICANT:  Thoegersen, Hans Christian
;    APPLICANT:  Holtet, Thor Las
;    APPLICANT:  Etzerodt, Michael
;    TITLE OF INVENTION:  Improved method for the refolding of
;    TITLE OF INVENTION:  proteins
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,486
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/192,060
;      FILING DATE:  February 4, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06363/002001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 542 5070
;      TELEFAX:  617 542 8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  54:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  790 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-469-486-54

  Query Match             100.0%;  Score 1113;  DB 1;  Length 790;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db        584 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 643

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db        644 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 703

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        704 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 763

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        764 CARPNKPGVYVRVSRFVTWIEGVMRNN 790


RESULT 12
US-08-469-658-54
; Sequence 54, Application US/08469658
; Patent No. 5917018
;  GENERAL INFORMATION:
;    APPLICANT:  Th egersen, Hans Christian
;    APPLICANT:  Holtet, Thor Las
;    APPLICANT:  Etzerodt, Michael
;    TITLE OF INVENTION:  IMPROVED METHOD FOR THE REFOLDING OF
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,658
;      FILING DATE:  June 5, 1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/192,060
;      FILING DATE:  February 4, 1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06363/002002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 542 5070
;      TELEFAX:  617 542 8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  54:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  790 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-469-658-54

  Query Match             100.0%;  Score 1113;  DB 2;  Length 790;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        584 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 643

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db        644 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 703

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        704 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 763

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        764 CARPNKPGVYVRVSRFVTWIEGVMRNN 790


RESULT 13
US-09-131-995-1
; Sequence 1, Application US/09131995
; Patent No. 5972896
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/131,995
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-09-131-995-1

  Query Match             100.0%;  Score 1113;  DB 2;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
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Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
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Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
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Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 14
US-08-832-087B-1
; Sequence 1, Application US/08832087B
; Patent No. 5981484
;  GENERAL INFORMATION:
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;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087B
;      FILING DATE:  03-APR-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-08-832-087B-1

  Query Match             100.0%;  Score 1113;  DB 2;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


RESULT 15
US-09-132-154-1
; Sequence 1, Application US/09132154
; Patent No. 6251867
;  GENERAL INFORMATION:
;    APPLICANT:  Davidson, Donald J.
;    TITLE OF INVENTION:  NOVEL ANTIANGIOGENIC PEPTIDES
;    TITLE OF INVENTION:  AND METHODS FOR INHIBITING ANGIOGENESIS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/132,154
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/832,087
;      FILING DATE:  03-APR-1997
;      APPLICATION NUMBER:  08/643,219
;      FILING DATE:  06-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Casuto, Dianne
;      REGISTRATION NUMBER:  40,943
;      REFERENCE/DOCKET NUMBER:  5940.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-938-3137
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  791 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:
;      DESCRIPTION:  protein
US-09-132-154-1

  Query Match             100.0%;  Score 1113;  DB 3;  Length 791;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-115;
  Matches  207;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        585 MHFCGGTLISPEWVLTAAHCLEKSPRPSSYKVILGAHQEVNLEPHVQEIEVSRLFLEPTR 644

Qy         61 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        645 KDIALLKLSSPAVITDKVIPACLPSPNYVVADRTECFITGWGETQGTFGAGLLKEAQLPV 704

Qy        121 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        705 IENKVCNRYEFLNGRVQSTELCAGHLAGGTDSCQGDSGGPLVCFEKDKYILQGVTSWGLG 764

Qy        181 CARPNKPGVYVRVSRFVTWIEGVMRNN 207
              ||||||||||||||||||||||||||||
Db        765 CARPNKPGVYVRVSRFVTWIEGVMRNN 791


Search completed: May  8, 2005, 17:55:31
Job time : 28 secs
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